



# Sunny Central 720-CP-10

Circuit diagram

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			Author	R.Branz								AB1
			Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910	

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			Author	R.Branz								AB5
			Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910	

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SC-720-CP-10	&EFS/M28	Control Insulation monitoring	Standard	11.04.2011
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			Author	R.Branz								AB8
			Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910	

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SC-720-CP-10	&EFS/R4	Communication 6_0 Display	Option 6_0 Option 7_0 Option 7_1	07.04.2011
SC-720-CP-10	&EFS/R5	Communication 6_1 Ethernet Switch	Option 6_1 Option 7_0 Option 7_1	07.04.2011
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			Author	R.Branz								AB10
			Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910	



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SC-720-CP-10	&EPD/YD8	Device tag list		11.04.2011
SC-720-CP-10	&EPD/YD9	Device tag list		11.04.2011
SC-720-CP-10	&EPD/YD10	Device tag list		11.04.2011
SC-720-CP-10	&EPD/YD11	Device tag list		11.04.2011
SC-720-CP-10	&EPD/YD12	Device tag list		11.04.2011
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SC-720-CP-10	&EPD/YD26	Device tag list		11.04.2011
SC-720-CP-10	&EPD/YD27	Device tag list		11.04.2011



Attribute of objects (functions, equipment, locations)

The structuring of the system occurs in the aspects:

Check applicable

<input checked="" type="checkbox"/>	Functional aspect
<input checked="" type="checkbox"/>	Product aspect
<input checked="" type="checkbox"/>	Location aspect

The creation of a unique reference attribute for an object occurs in the aspects:

Check applicable

<input checked="" type="checkbox"/>	Functions	Functional aspect	=
<input checked="" type="checkbox"/>	device	Product aspect	-
	Locations	Location aspect	+

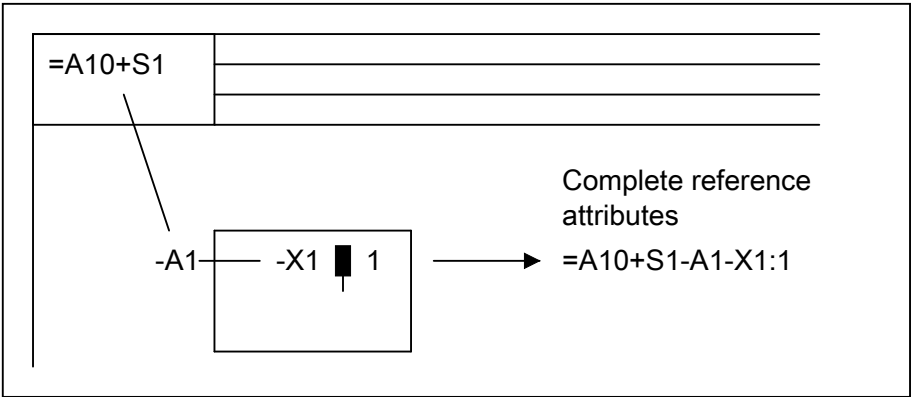
Equipment is uniquely identified by means of the selected aspects. If multiple aspects are selected, only one aspect is not permissible for the unique identification.

Reference attributes have the following basic structure (the number of data positions in the identification level are not fixed)

=, +, -	A..AN..N	AA = letters, NN = numbers
Prefix depending on aspect	Object	

Presentation and read rules for reference attributes

Note: Function-related reference attributes and location-related reference attributes are normally presented in a higher place in the document.



Example for equipment identified in multiple aspects

=A10+S1-F10	<div><div>1</div><div>2</div></div>
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Attribute of documents

The document attribute is presented on the cover sheet and provides unique addressing of the system

Example:

SCXXX-XDE083810
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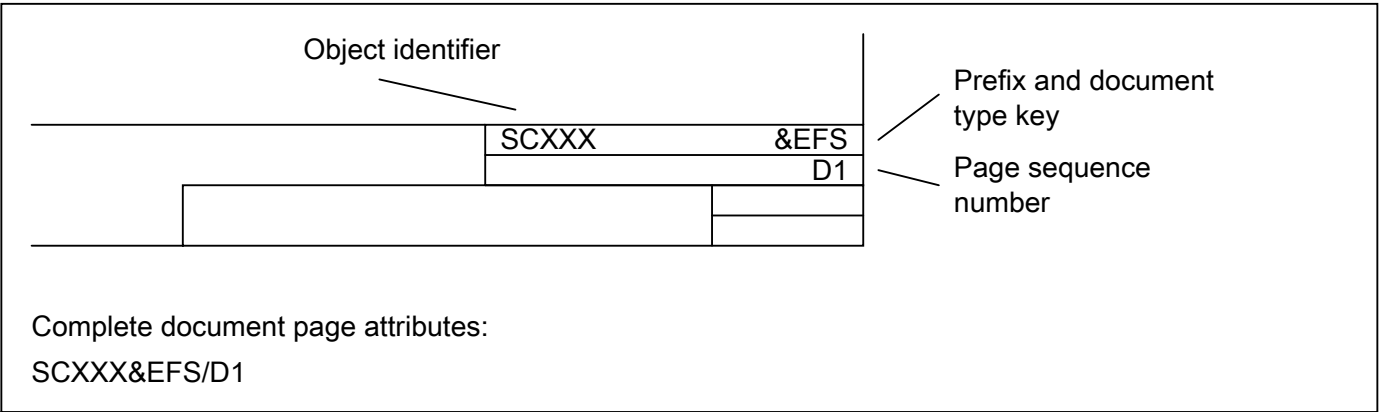
The documentation attribute is presented in the labeling field and provides unique addressing within the system

Document page attributes				
Object identifier	&	DCC	/	Page sequence number

Explanation:

Object identifier	Attribute of the object described in the document
&	Prefix for document type
DCC	Document type key
/	separator
Page sequence number	Numerical or alphanumerical count of pages within the document page attribute (a page number will not be used)

Presentation of the document page attribute in the labeling field



Sunny Central 720-CP-10

Designation	Data
Serial number	
Option code	

Potential overview

Designation	Potential	Data
Operating voltage range (Vac 3-Phase)	L 1,L2,L3	
AC control voltage 3-phase	21L1, 21L2, 21L3, 21N	
AC control voltage	22L1, 22L2, 22L3, 21N	
Range of input operating voltage	L+, L-	
DC control voltage	41L+, 41L-, 41GND ; 42L+ ,42L-	

Connections

All cabels without designation in the circuit diagram are	Betatherm 145
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Information:

The data can be obtained from the type label and are to be entered in the above column “Data”.

Example:

Designation	Potential	Data
AC voltage	1L1, 1L2, 1L3, 1N	<b>400V</b>

The type label can be found inside the device (please refer to installation guide).

			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Technical data	SC-720-CP-10:A		SC-720-CP-10	&EDB
			Author	R.Branz								AC2	
			Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by	SC-720-CP-10-CEN110910						

# Function structure

Function	Description	Function	Description
=SC	Sunny Central 720-CP-10	=8_KR	Option 8/KR language Korean
=1_0	Option 1/0 max. DC-Voltage 1000V	=8_IT	Option 8/IT language Italian
=1_1	Option 1/1 max. DC-Voltage 1100V	=8_FR	Option 8/FR language French
=2_X	Option 2/0 or 2_1 or 2/2	=8_CN	Option 8/CN language Chinese
=2_0	Option 2/0 DC fuses positiv and negativ	=8_CZ	Option 8/CZ language Czech
=2_1	Option 2/1 DC fuses positiv disconnecting blades negativ	=8_GR	Option 8/GR language Greek
=2_2	Option 2/2 DC fuses negativ disconnecting blades positiv	=8_PT	Option 8/PT language Portuguese
=2_3	Spare	=8_NL	Option 8/NL language Dutch
=2_4	Option 2/4 DC Connection point Busbar	=9_DE	Option 9/DE target country Germany
=3_0	Option 3/0 DC protection None	=9_EN	Option 9/EN target country England
=3_1	Option 3/1 DC protection 9 x 200A	=9_ES	Option 9/ES target country Spain
=3_2	Option 3/2 DC protection 9 x 250A	=9_KR	Option 9/KR target country Korea
=3_3	Option 3/3 DC protection 7 x 315A	=9_IT	Option 9/IT target country Italy
=3_4	Option 3/4 DC protection 6 x 400A	=9_FR	Option 9/FR target country France
=3_5	Option 3/5 DC protection 9 x 125A	=9_CN	Option 9/CN target country China
=3_6	Option 3/6 DC protection 9 x 160A	=9_CZ	Option 9/CZ target country Czech
=4_0	Option 4/0 Grounding None	=9_GR	Option 9/DE target country Greece
=4_1	Option 4/1 Grounding Minus grounded and GFDI	=9_PT	Option 9/PT target country Portugal
=4_2	Option 4/2 Grounding Minus grounded and Remote GFDI	=9_NL	Option 9/NL target country Netherlands
=4_3	Option 4/3 Grounding Plus grounded and GFDI	=9_US	Option 9/US target country USA
=4_4	Option 4/4 Grounding Plus grounded and Remote GFDI	=10_0	Option 10/0 AC Switch
=4_5	Option 4/5 Grounding Softgrounding Plus	=10_1	Option 10/1 AC Switch
=4_6	Option 4/6 Grounding Softgrounding Minus	=10_2	Option 10/2 AC Switch
=5_0	Option 5/0 Insulation monitoring None	=10_3	Option 10/3 AC Switch without
=5_1	Option 5/1 Insulation monitoring Yes	=11_0	Option 11/0 Connection point SCM None
=5_2	Option 5_2 Isolationsüberwachung mit GFDI	=11_1	Option 11/1 Connection point SCM Yes 2 HUBS
=6_0	Option 6/0 Communication Display	=11_2	Option 11/2 Connection point SCM Yes 3 HUBS
=6_1	Option 6/1 Communication no Display	=12_0	Option 12/0 AC Voltage 360V
=7_0	Option 7/0 LWL elements no	=12_1	Option 12/1 AC Voltage 351V
=7_1	Option 7/1 LWL elements with LWL converter	=12_2	Option 12/2 AC Voltage 342V
=8_DE	Option 8/DE language German	=12_3	Option 12/3 AC Voltage 333V
=8_EN	Option 8/EN language English	=12_4	Option 12/4 AC Voltage 324V
=8_ES	Option 8/ES language Spanish	=12_5	Option 12/5 AC Voltage 315V

			Date	11.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Function structure option code	SC-720-CP-10:A		SC-720-CP-10		&EDB
			Author	R.Branz										AF1
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by						SC-720-CP-10-CEN110910		

# Function structure

[illegible]

			Date	11.04.2011	Sunny Central 720-CP-10  SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0		Function structure option code	SC-720-CP-10:A		SC-720-CP-10 &EDB	
			Author	R.Branz						AF2	
			Checked	J.Bader							
Modification	Date	Name	Origin		Replacement of	Replaced by		SC-720-CP-10-CEN110910			

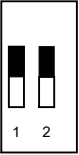
=SC									



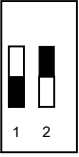
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	switch cabinet view	SC-720-CP-10:A		SC-720-CP-10	&ETL	
			Author	R.Branz									AU1
			Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910			



Standard



target country US , KR



InN=

100%

50% xIn

60Hz

50Hz

Freq.

SACE PR231/P

- ○

+ ○

Test

L

1

2

3

4

1

2

3

4

I1=

xIn

0,4

0,44

0,48

0,52

0,56

0,6

0,64

0,68

0,72

0,76

0,8

0,84

0,88

0,92

0,96

1

t1

on

1

I=6xI1

3

12s

In= 1600A

S

I

I2=

t2

1

2

3

4

5

6

0,25s

0,1s

I=10xIn

off

1

1,5

2

2,5

3

3,5

4,5

5,5

6,5

7

7,5

8

8,5

9

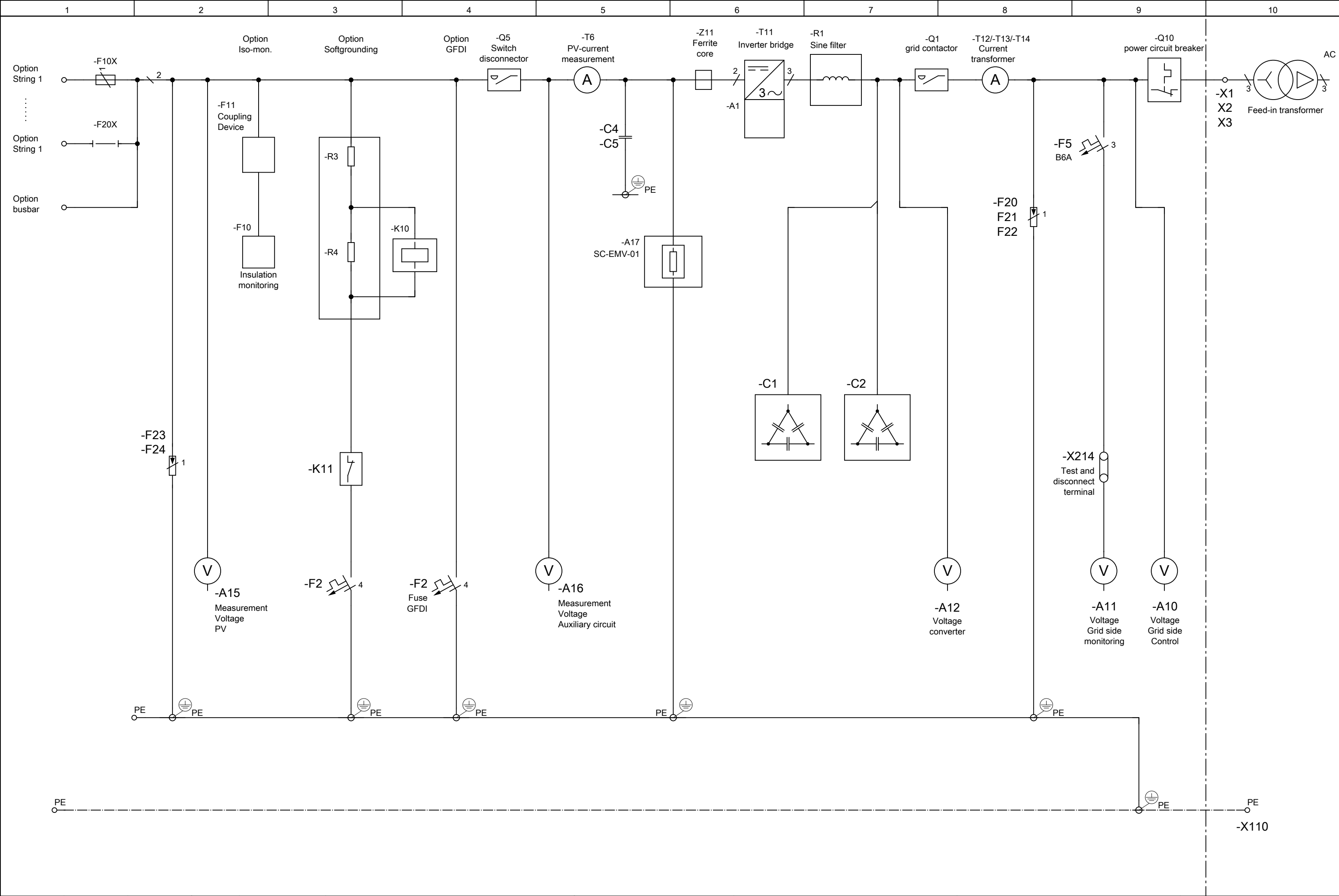
10

Tmax T7 S1600

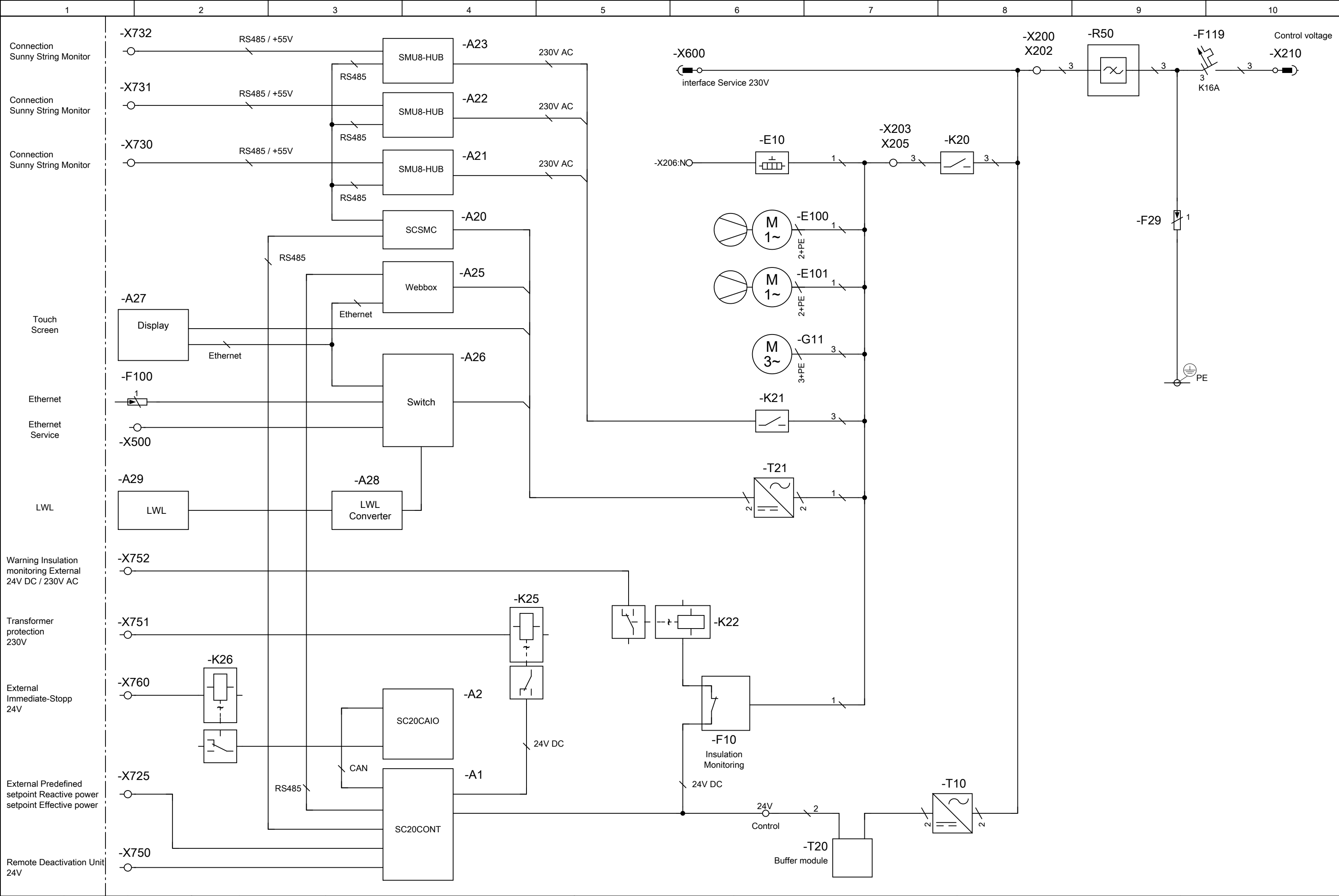
dip switch to top

dip switch to below

			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	setting AC Power circuit breaker	SC-720-CP-10:A		SC-720-CP-10		&ETL
			Author	R.Branz										AU2
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by						SC-720-CP-10-CEN110910		



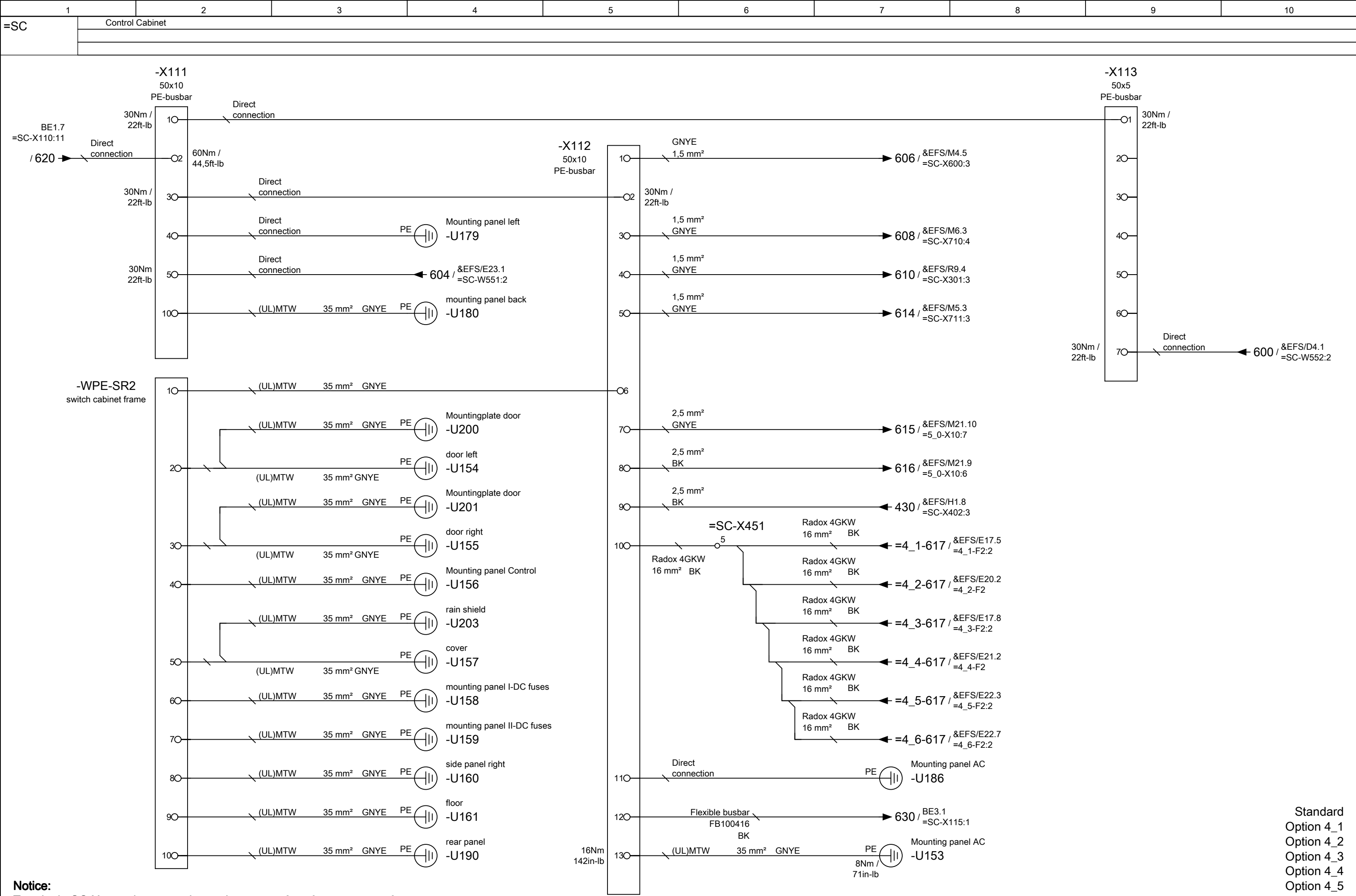
			Date	11.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Wiring diagram overview	SC-720-CP-10:A		SC-720-CP-10		&EFA BA1
			Author	R.Branz										
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910			



			Date	11.04.2011	<div>Sunny Central 720-CP-10</div> <div></div> <div>SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0</div>		Wiring diagram overview Control	SC-720-CP-10:A		SC-720-CP-10		&EFA
			Author	R.Branz						BA2		
			Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by			SC-720-CP-10-CEN110910			

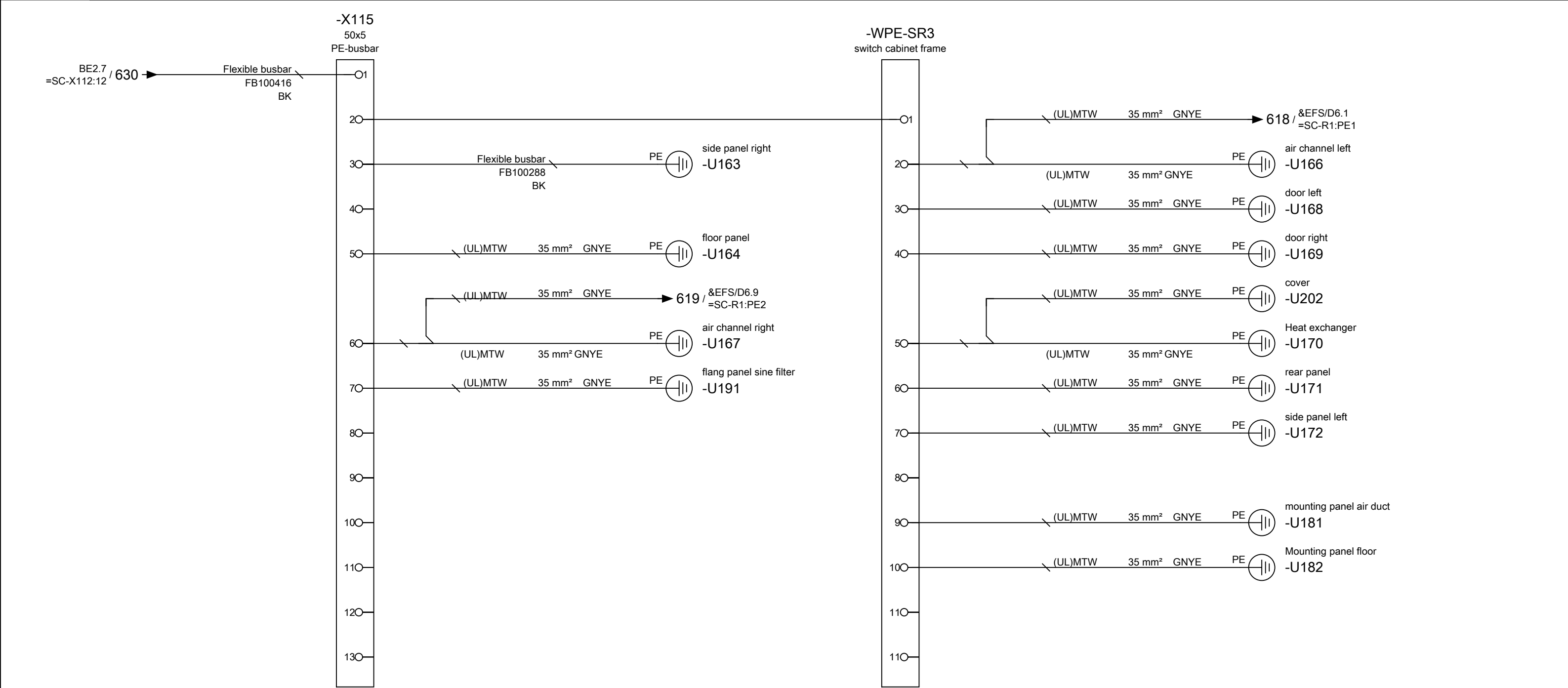






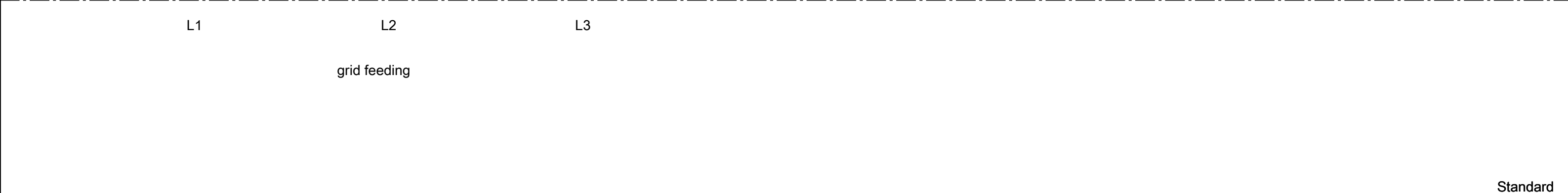
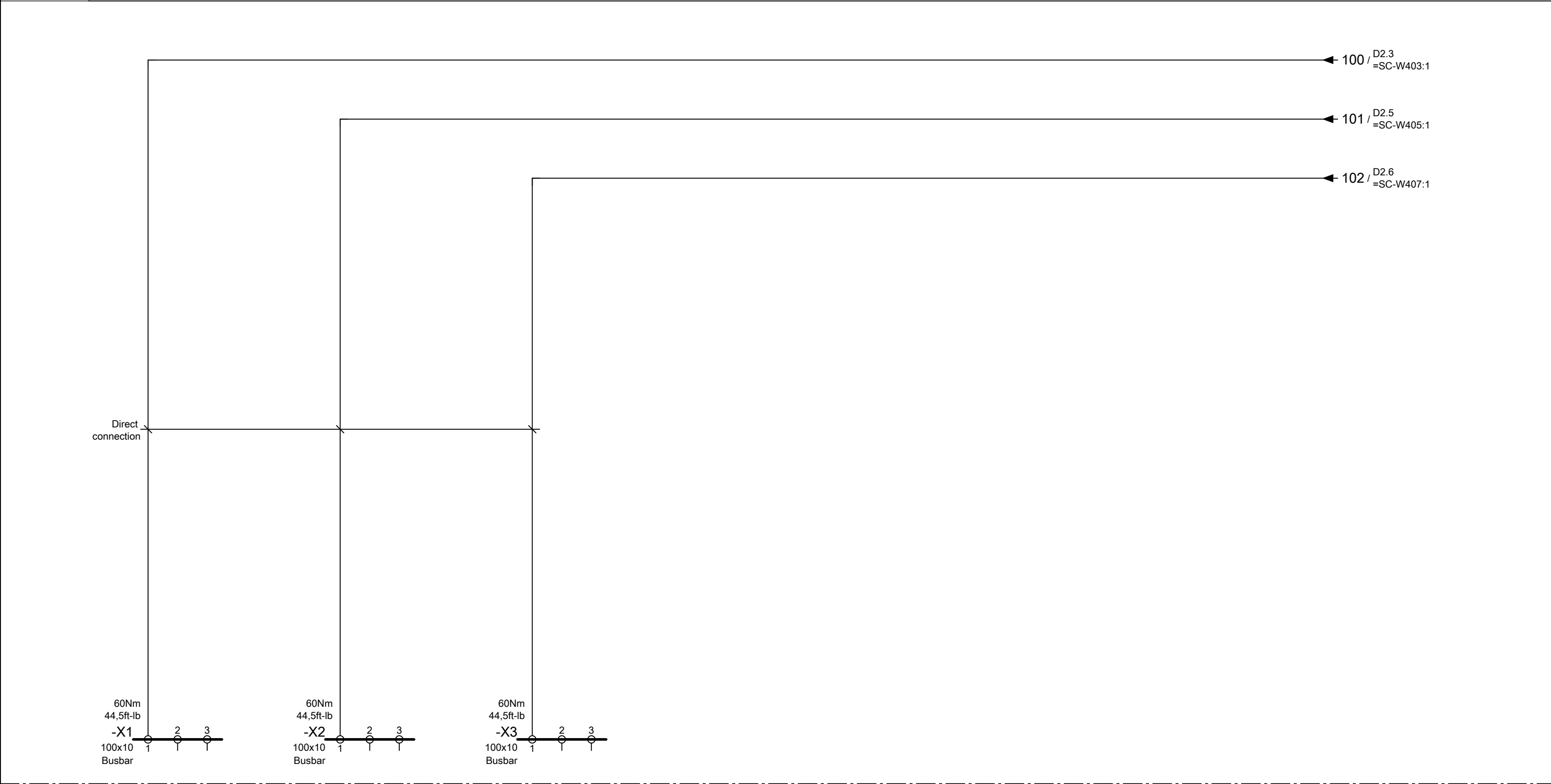
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Grounding plan Interface Cabinet	SC-720-CP-10:A		SC-720-CP-10		&EFE		
			Author	R.Branz										BE2	
			Checked	J.Bader											
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910					

1	2	3	4	5	6	7	8	9	10
=SC	Power Cabinet								

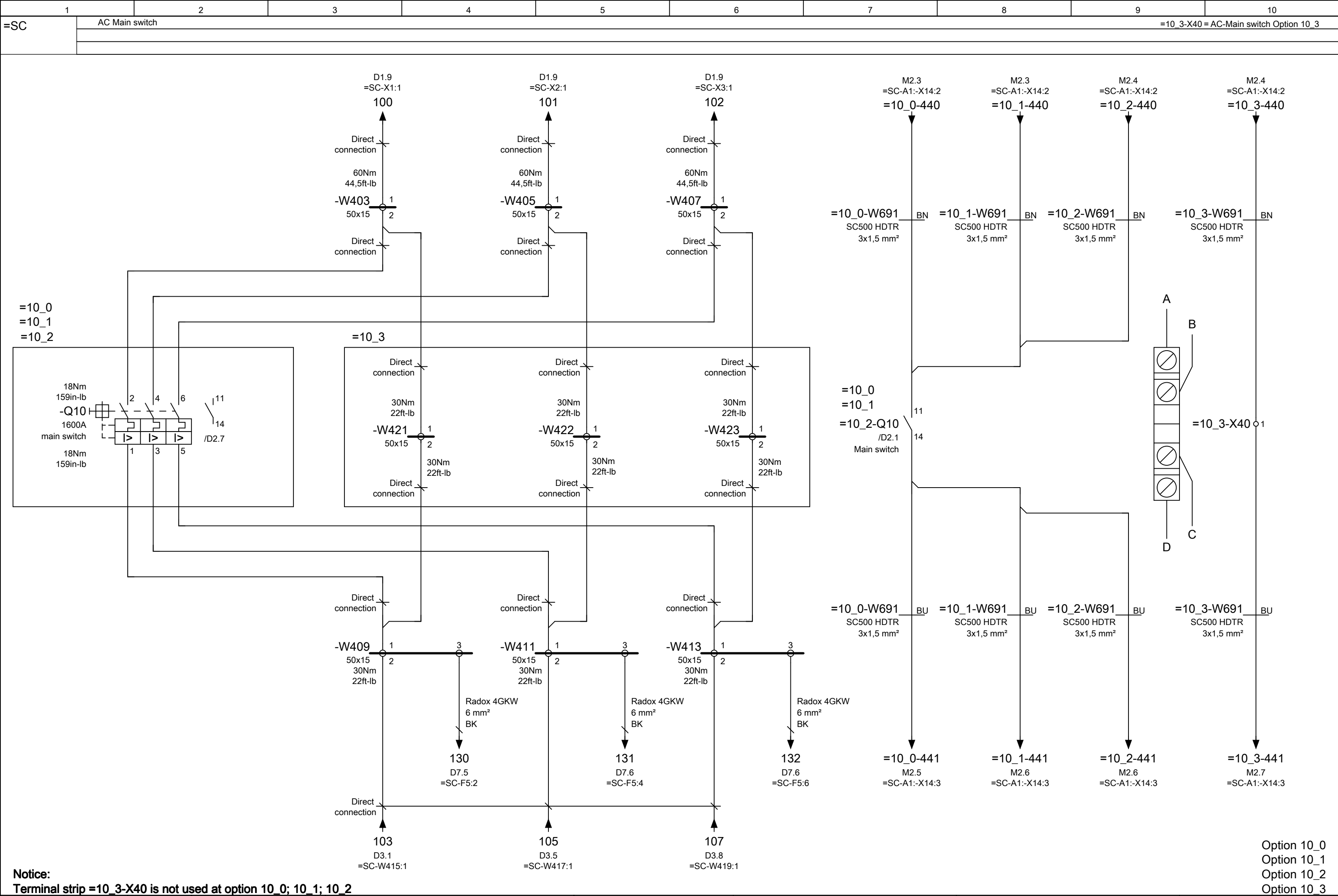


Standard														
			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Grounding plan Inverter Cabinet	SC-720-CP-10:A		SC-720-CP-10		&EFE
			Author	R.Branz								BE3		
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910				

1	2	3	4	5	6	7	8	9	10
=SC	-X1 = Grid feeding L1		-X2 = Grid feeding L2		-X3 = Grid feeding L3				



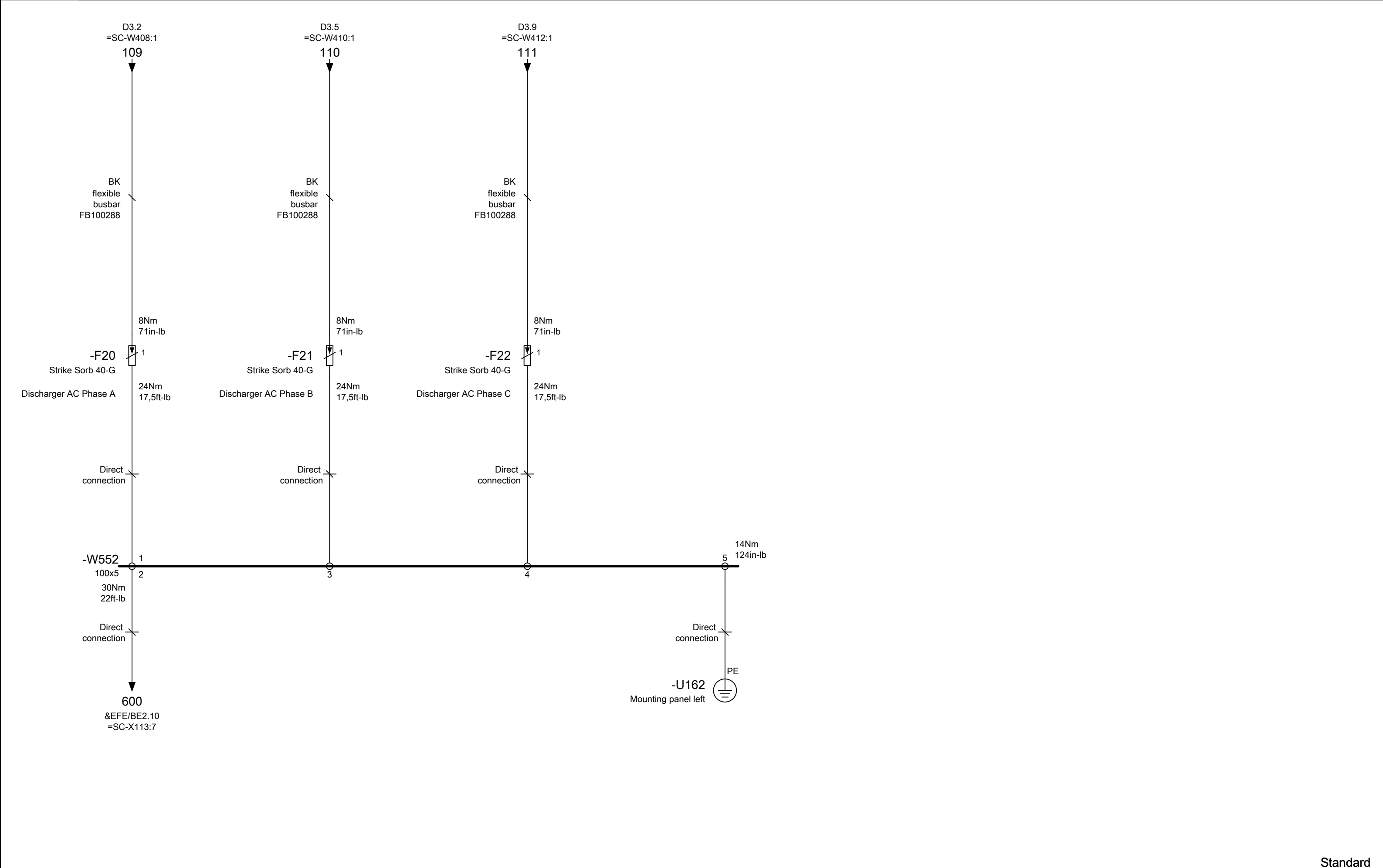
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	AC Grid feeding	SC-720-CP-10:A		SC-720-CP-10		&EFS	
			Author	R.Branz							D1			
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910			



			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	AC Main switch	SC-720-CP-10:A		SC-720-CP-10		&EFS
			Author	R.Branz										D2
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910				



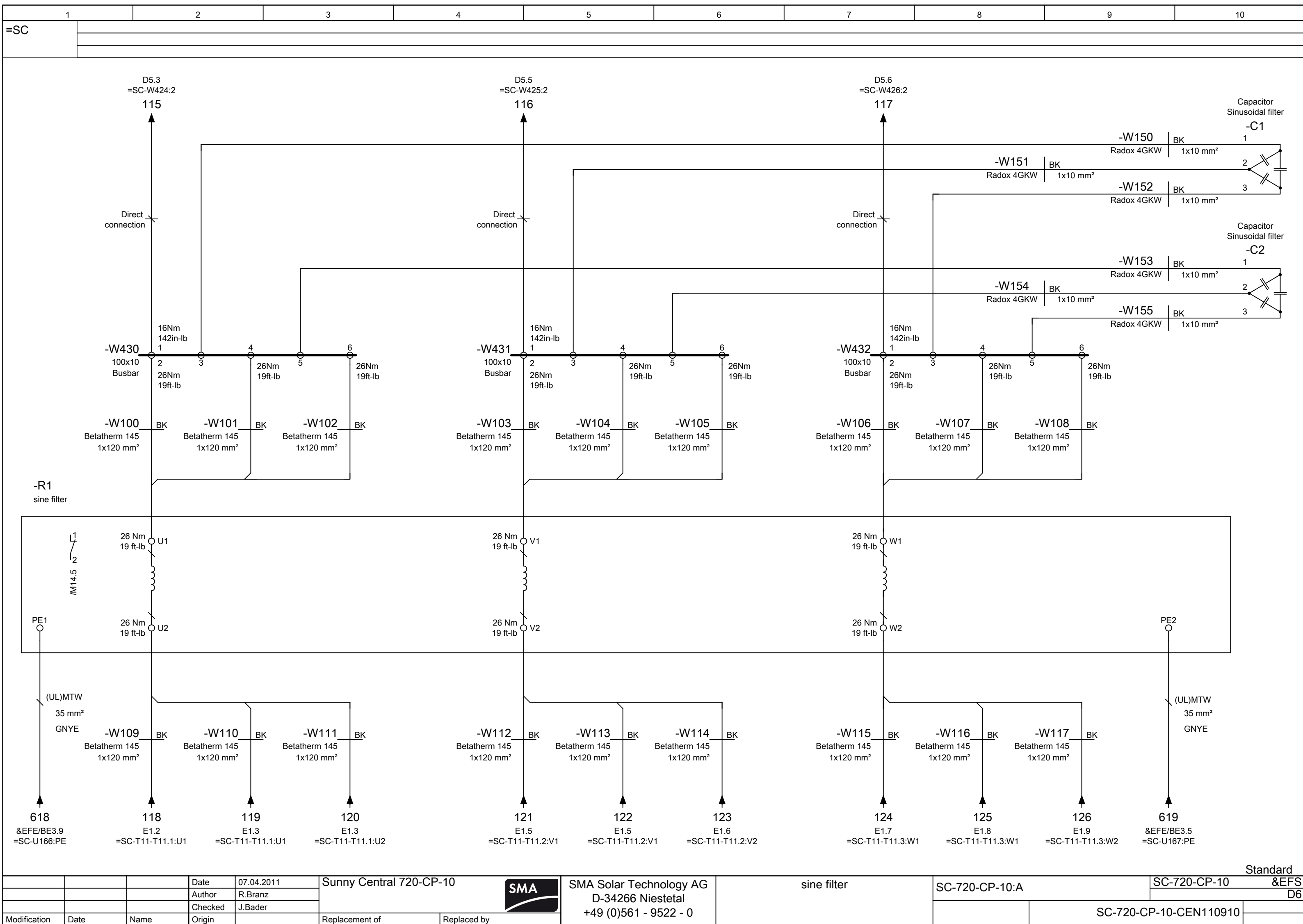
1	2	3	4	5	6	7	8	9	10
=SC		Discharger							



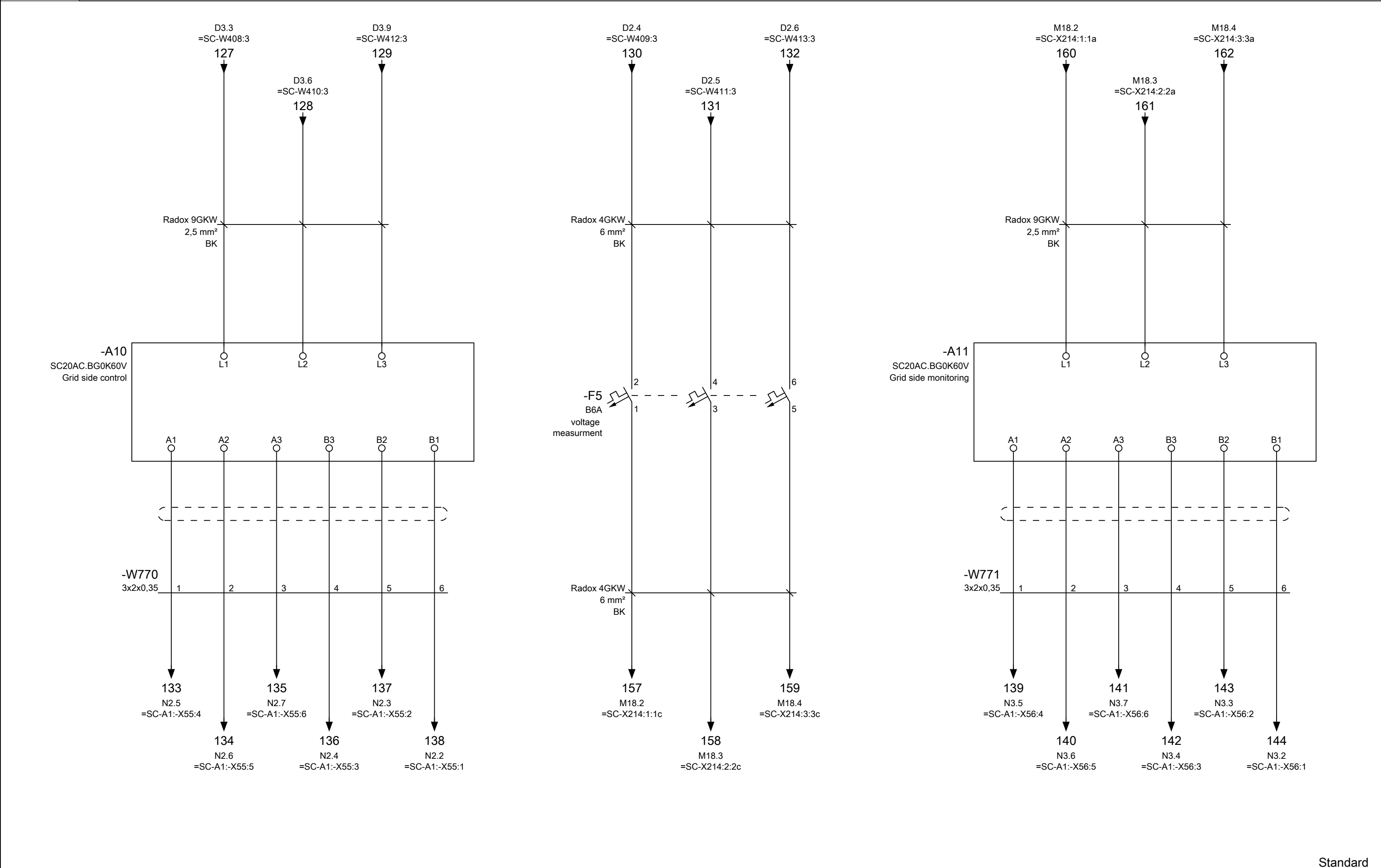
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	AC Discharger	SC-720-CP-10:A		SC-720-CP-10		&EFS	
			Author	R.Branz							D4			
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910				





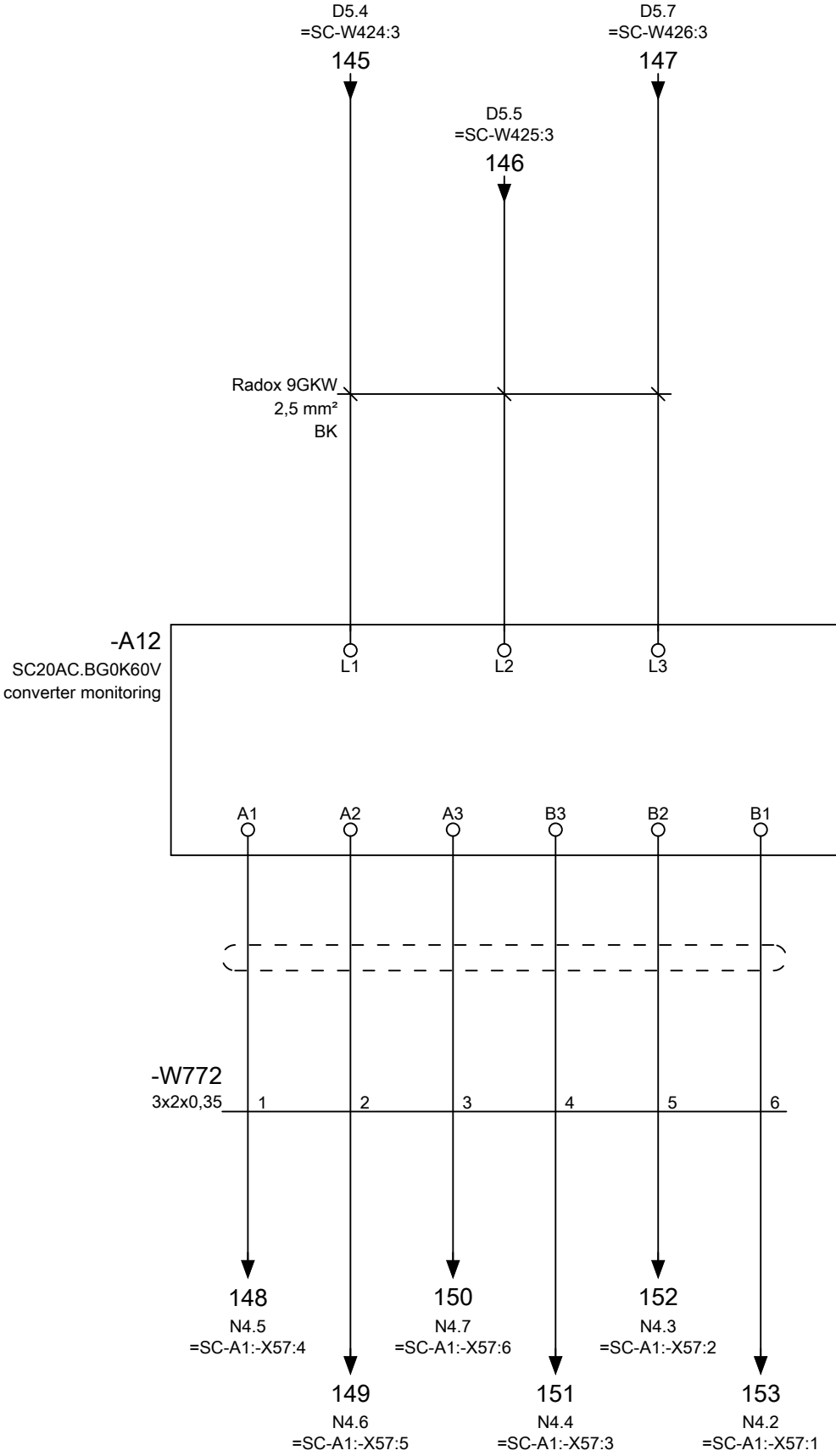


1	2	3	4	5	6	7	8	9	10
=SC	voltage measurement							voltage measurement	
	Grid side control							Grid side monitoring	

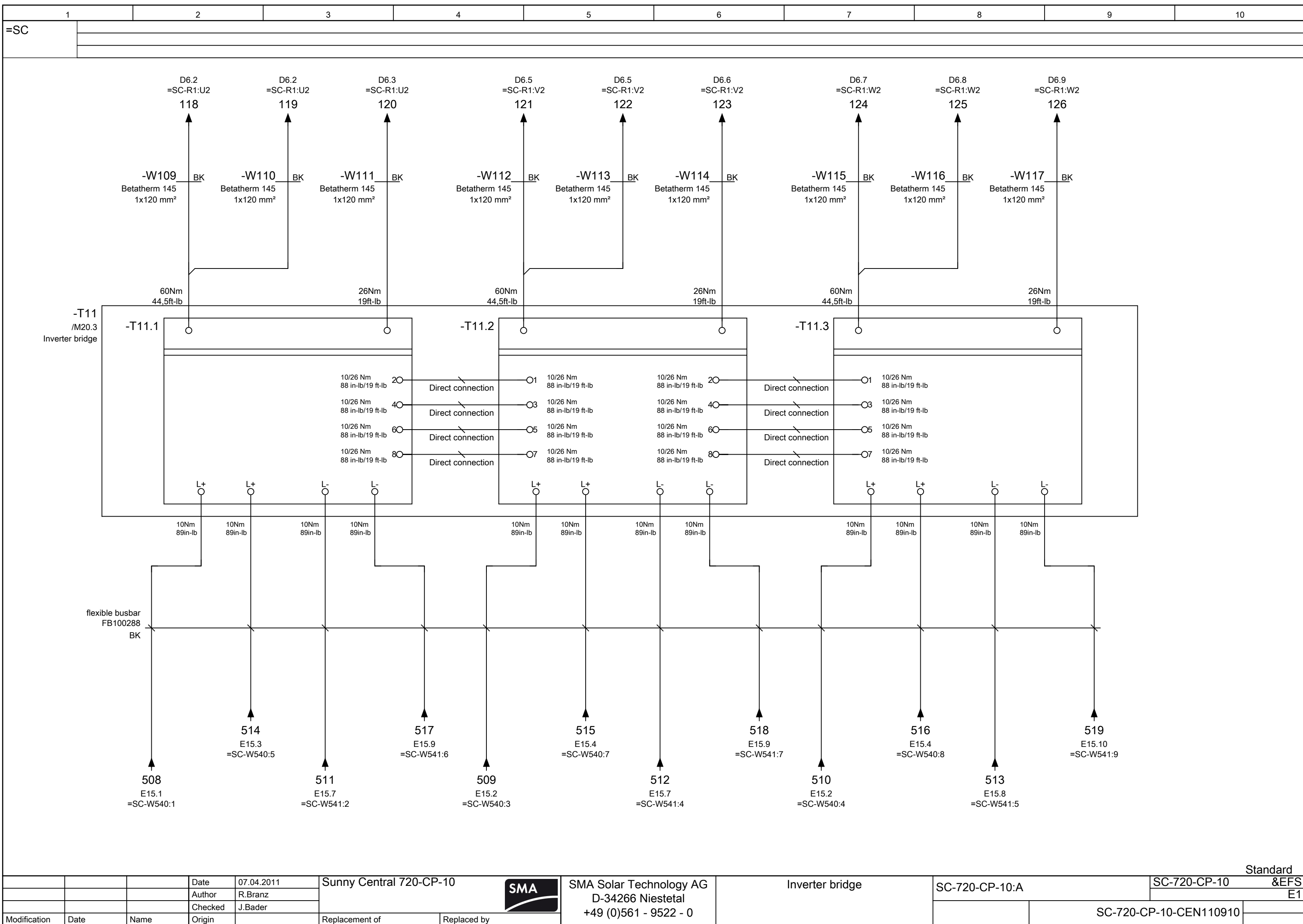


			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	voltage measurement Grid side	SC-720-CP-10:A		SC-720-CP-10		&EFS	
			Author	R.Branz							D7			
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910			

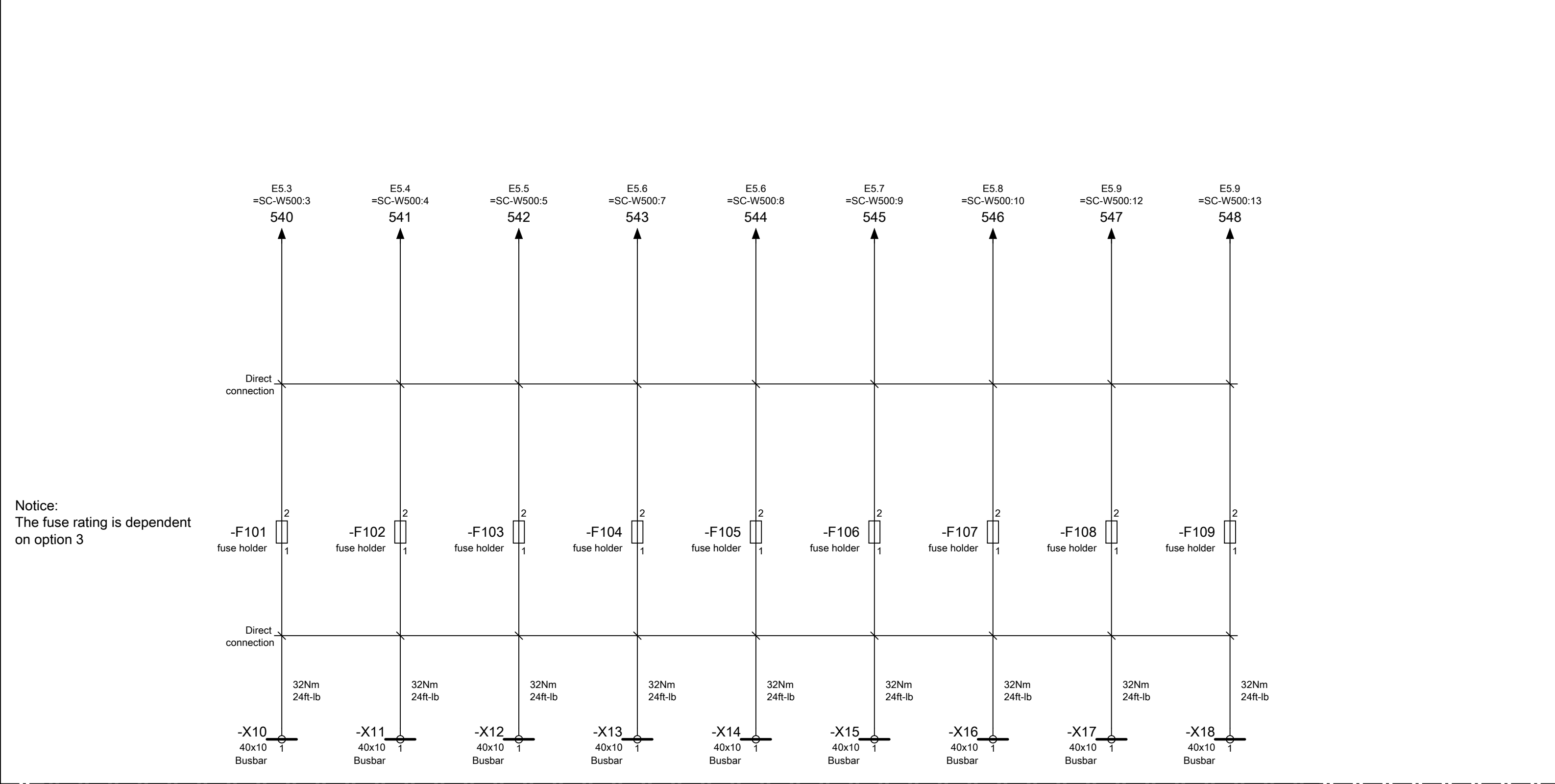
1	2	3	4	5	6	7	8	9	10
=SC	voltage measurement								
	converter monitoring								



Standard															
			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	voltage measurement converter	SC-720-CP-10:A		SC-720-CP-10		&EFS	
			Author	R.Branz										D8	
			Checked	J.Bader											
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910				



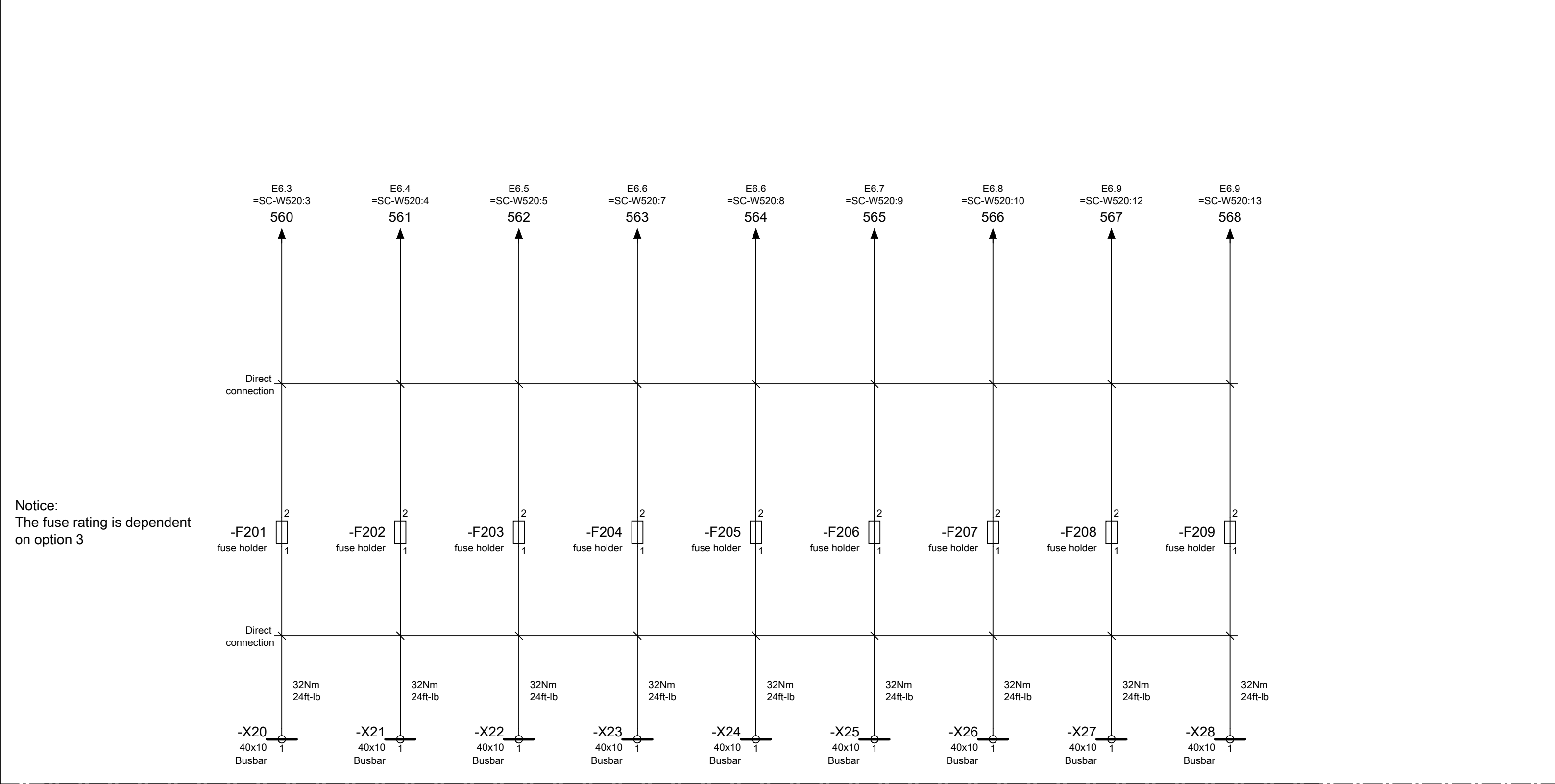
1	2	3	4	5	6	7	8	9	10
=2_X	=2_X-X10 = DC Power supply Plus		=2_X-X12 = DC Power supply Plus		=2_X-X14 = DC Power supply Plus		=2_X-X16 = DC Power supply Plus		=2_X-X18 = DC Power supply Plus
	=2_X-X11 = DC Power supply Plus			=2_X-X13 = DC Power supply Plus		=2_X-X15 = DC Power supply Plus		=2_X-X17 = DC Power supply Plus	



=2_0 Fuses negativ and positiv DC-input L+	L+	L+	L+	L+	L+	L+	L+	L+	L+
	L+	L+	L+	L+	L+	L+	L+	L+	L+
	L+	L+	L+	L+	L+	L+	L+	L+	L+

			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	DC Power supply Plus 2_0 / 2_1 / 2_2	SC-720-CP-10:A		SC-720-CP-10		&EFS E2
			Author	R.Branz									
			Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910			

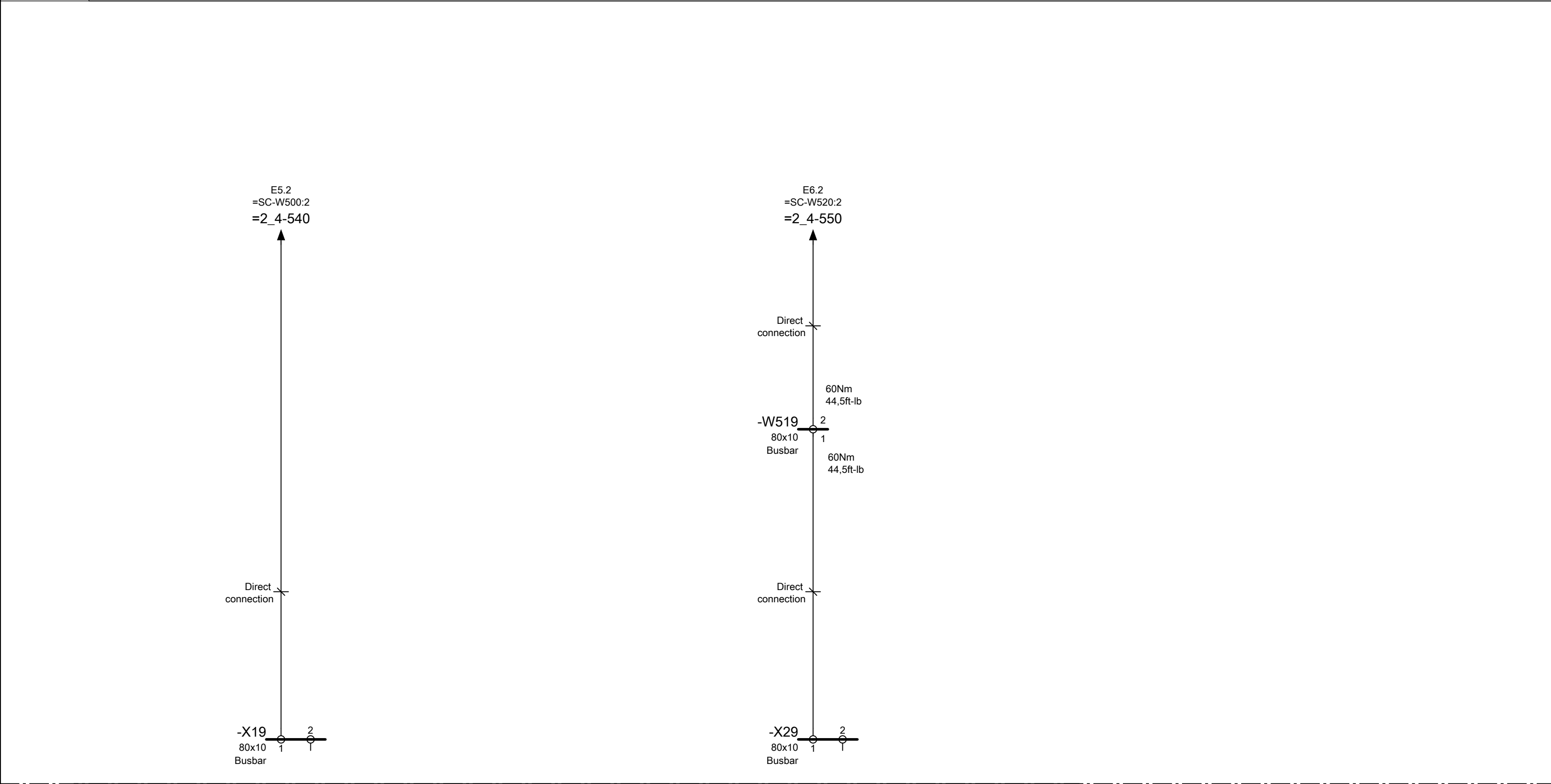
1	2	3	4	5	6	7	8	9	10
=2_X	=2_X-X20 = DC Power supply Minus		=2_X-X22 = DC Power supply Minus		=2_X-X24 = DC Power supply Minus		=2_X-X26 = DC Power supply Minus		=2_X-X28 = DC Power supply Minus
	=2_X-X21 = DC Power supply Minus			=2_X-X23 = DC Power supply Minus		=2_X-X25 = DC Power supply Minus		=2_X-X27 = DC Power supply Minus	



	=2_0 Fuses negativ and positiv DC-input L-	L-	L-	L-	L-	L-	L-	L-	L-	Option 2_0 Option 2_1 Option 2_2
	=2_1 Fuses positiv disconnecting blades negativ DC-input L-	L-	L-	L-	L-	L-	L-	L-	L-	
	=2_2 Fuses negativ disconnecting blades positiv DC-input L-	L-	L-	L-	L-	L-	L-	L-	L-	

			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	DC Power supply Minus 2_0 / 2_1 / 2_2	SC-720-CP-10:A		SC-720-CP-10		&EFS E3	
			Author	R.Branz										
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910				

1	2	3	4	5	6	7	8	9	10
=2_4	-X19 = DC Power supply Plus Busbar				-X29 = DC Power supply Minus Busbar				

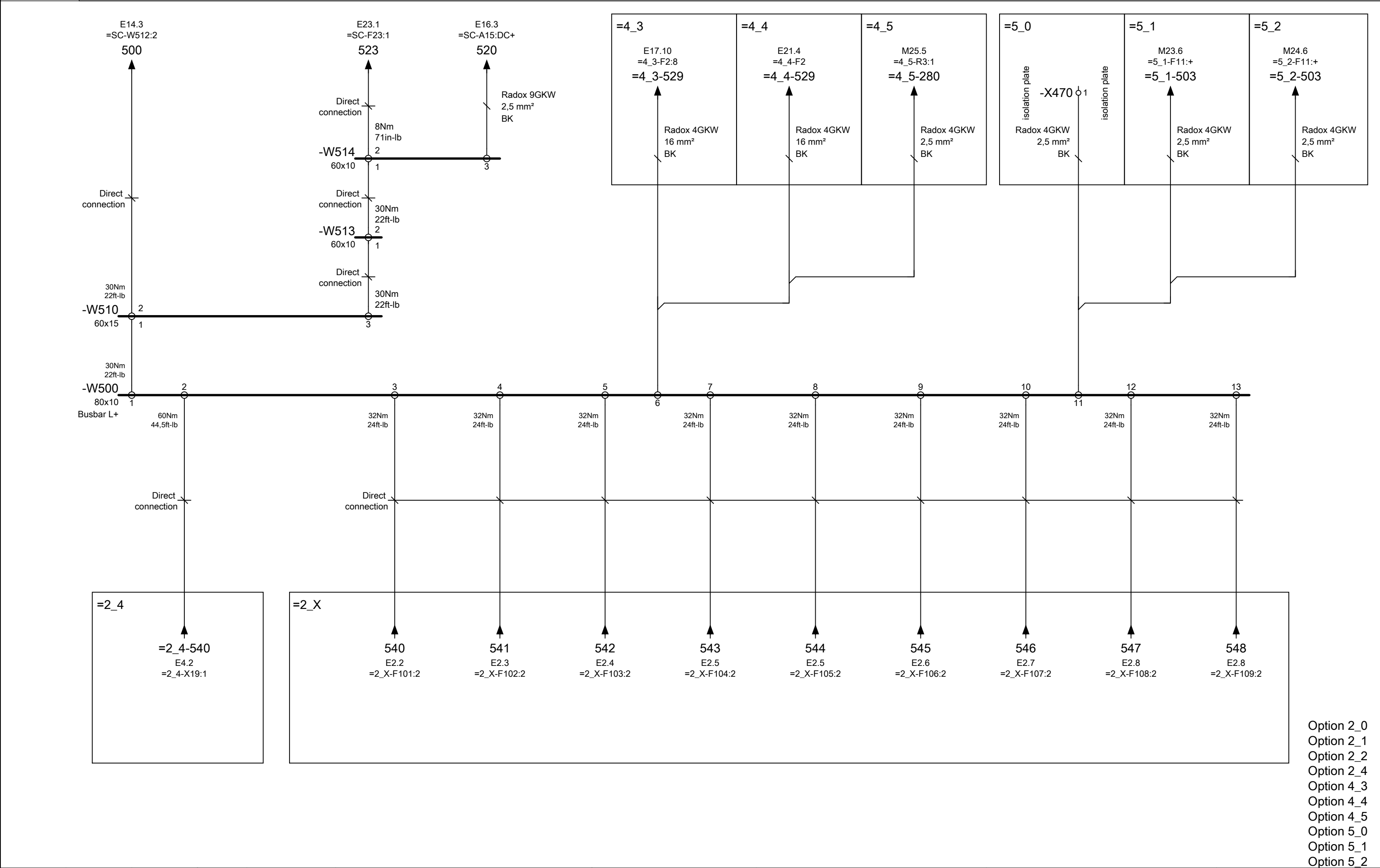


=2_4 Busbar	L+		L-	

DC Power supply Plus

DC Power supply Minus

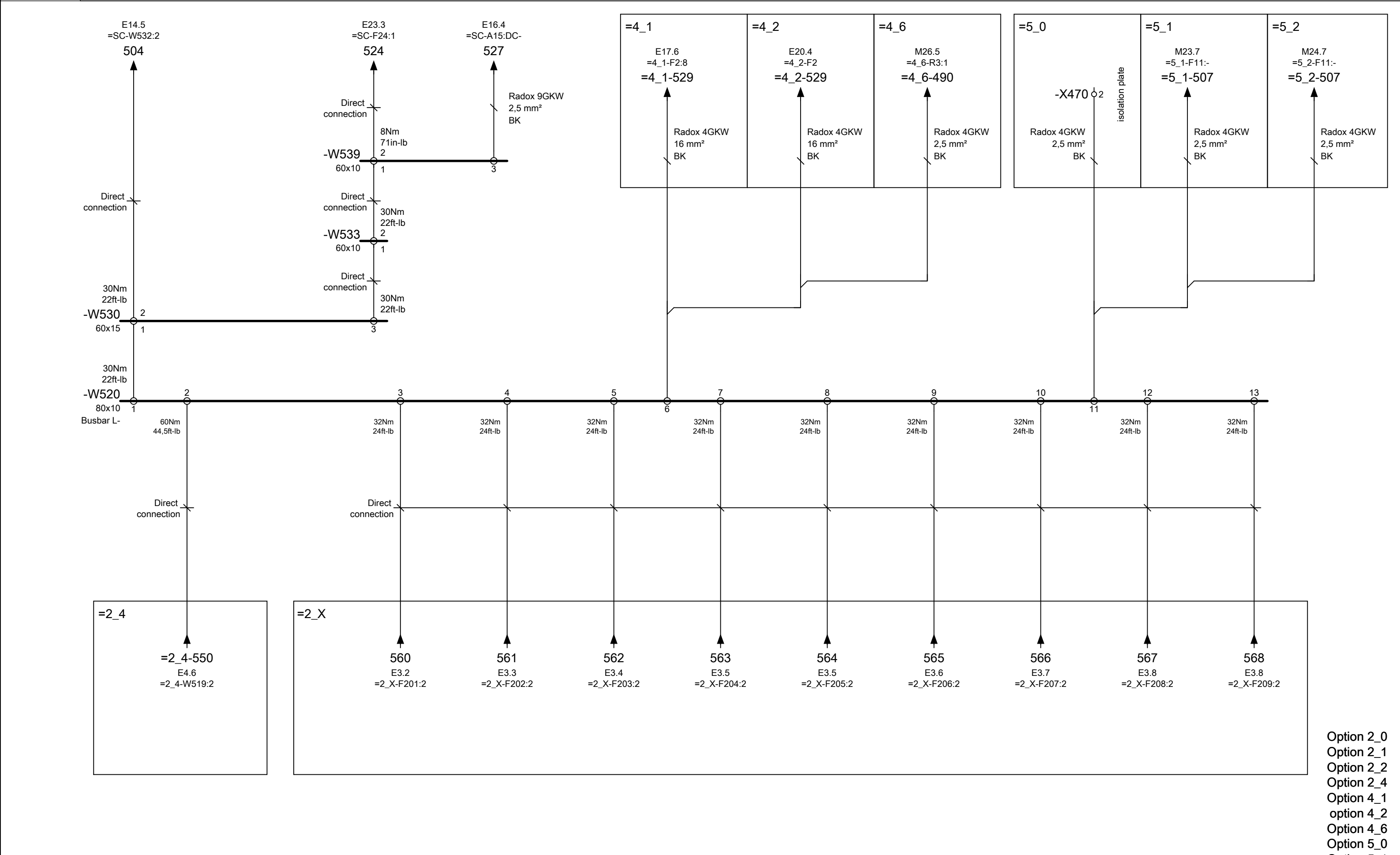
Option 2_4																		
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div>SMA</div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	DC Power supply 2_4	SC-720-CP-10:A		SC-720-CP-10		&EFS					
			Author	R.Branz									E4					
			Checked	J.Bader														
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910								



- Option 2\_0
- Option 2\_1
- Option 2\_2
- Option 2\_4
- Option 4\_3
- Option 4\_4
- Option 4\_5
- Option 5\_0
- Option 5\_1
- Option 5\_2













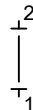
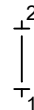

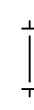

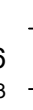

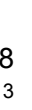
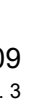









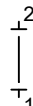






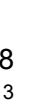
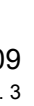













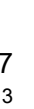





















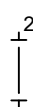

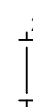
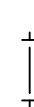


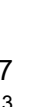

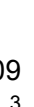













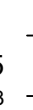


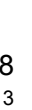
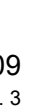

1	2	3	4	5	6	7	8	9	10
=SC									



Manufacturing : Cable Radox 2.5mm² 4GKW-AX must be installed seperately at option 4_5! The terminal =SC-X470 is not used at option 5_1 and 5_2.										Option 5_1					
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div>SMA</div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0		DC Power supply Minus		SC-720-CP-10:A		SC-720-CP-10		&EFS
			Author	R.Branz									E6		
			Checked	J.Bader											
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910				

- Option 2\_0
- Option 2\_1
- Option 2\_2
- Option 2\_4
- Option 4\_1
- option 4\_2
- Option 4\_6
- Option 5\_0
- Option 5\_1
- Option 5\_2

1		2		3		4		5		6		7		8		9		10																					
=SC																																							
=A1																																							
9 x 200A Fuse DC				-F101 200A				-F102 200A				-F103 200A				-F104 200A				-F105 200A				-F106 200A				-F107 200A				-F108 200A				-F109 200A			
				-F201 200A				-F202 200A				-F203 200A				-F204 200A				-F205 200A				-F206 200A				-F207 200A				-F208 200A				-F209 200A			
=A2																																							
9 x 250A Fuse DC				-F101 250A				-F102 250A				-F103 250A				-F104 250A				-F105 250A				-F106 250A				-F107 250A				-F108 250A				-F109 250A			
				-F201 250A				-F202 250A				-F203 250A				-F204 250A				-F205 250A				-F206 250A				-F207 250A				-F208 250A				-F209 250A			
=A3																																							
7 x 315A Fuse DC				-F101 315A				-F102 315A				-F103 315A				-F104 315A				-F105 315A				-F106 315A				-F107 315A											
				-F201 315A				-F202 315A				-F203 315A				-F204 315A				-F205 315A				-F206 315A				-F207 315A											
=A4																																							
6 x 400A Fuse DC				-F101 400A				-F102 400A				-F103 400A				-F104 400A				-F105 400A				-F106 400A															
				-F201 400A				-F202 400A				-F203 400A				-F204 400A				-F205 400A				-F206 400A															
=A5																																							
9 x 125A Fuse DC				-F101 125A				-F102 125A				-F103 125A				-F104 125A				-F105 125A				-F106 125A				-F107 125A				-F108 125A				-F109 125A			
				-F201 125A				-F202 125A				-F203 125A				-F204 125A				-F205 125A				-F206 125A				-F207 125A				-F208 125A				-F209 125A			
=A6																																							
9 x 160A Fuse DC				-F101 160A				-F102 160A				-F103 160A				-F104 160A				-F105 160A				-F106 160A				-F107 160A				-F108 160A				-F109 160A			
				-F201 160A				-F202 160A				-F203 160A				-F204 160A				-F205 160A				-F206 160A				-F207 160A				-F208 160A				-F209 160A			
			Date	07.04.2011	Sunny Central 720-CP-10 		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0				=2_0 fuses positiv and negativ and options 3_X				SC-720-CP-10:A				SC-720-CP-10		&EFS																		
			Author	R.Branz																	E7																		
			Checked	J.Bader																																			
Modification	Date	Name	Origin		Replacement of		Replaced by										SC-720-CP-10-CEN110910																						

1		2		3		4		5		6		7		8		9		10																			
=SC																																					
=B1																																					
9 x 200A Fuse DC		-F101 200A				-F102 200A				-F103 200A				-F104 200A				-F105 200A				-F106 200A				-F107 200A				-F108 200A				-F109 200A			
		-F201 Gr. 3 disconnecting blades				-F202 Gr. 3 disconnecting blades				-F203 Gr. 3 disconnecting blades				-F204 Gr. 3 disconnecting blades				-F205 Gr. 3 disconnecting blades				-F206 Gr. 3 disconnecting blades				-F207 Gr. 3 disconnecting blades				-F208 Gr. 3 disconnecting blades				-F209 Gr. 3 disconnecting blades			
=B2																																					
9 x 250A Fuse DC		-F101 250A				-F102 250A				-F103 250A				-F104 250A				-F105 250A				-F106 250A				-F107 250A				-F108 250A				-F109 250A			
		-F201 Gr. 3 disconnecting blades				-F202 Gr. 3 disconnecting blades				-F203 Gr. 3 disconnecting blades				-F204 Gr. 3 disconnecting blades				-F205 Gr. 3 disconnecting blades				-F206 Gr. 3 disconnecting blades				-F207 Gr. 3 disconnecting blades				-F208 Gr. 3 disconnecting blades				-F209 Gr. 3 disconnecting blades			
=B3																																					
7 x 315A Fuse DC		-F101 315A				-F102 315A				-F103 315A				-F104 315A				-F105 315A				-F106 315A				-F107 315A											
		-F201 Gr. 3 disconnecting blades				-F202 Gr. 3 disconnecting blades				-F203 Gr. 3 disconnecting blades				-F204 Gr. 3 disconnecting blades				-F205 Gr. 3 disconnecting blades				-F206 Gr. 3 disconnecting blades				-F207 Gr. 3 disconnecting blades											
=B4																																					
6 x 400A Fuse DC		-F101 400A				-F102 400A				-F103 400A				-F104 400A				-F105 400A				-F106 400A															
		-F201 Gr. 3 disconnecting blades				-F202 Gr. 3 disconnecting blades				-F203 Gr. 3 disconnecting blades				-F204 Gr. 3 disconnecting blades				-F205 Gr. 3 disconnecting blades				-F206 Gr. 3 disconnecting blades															
=B5																																					
9 x 125A Fuse DC		-F101 125A				-F102 125A				-F103 125A				-F104 125A				-F105 125A				-F106 125A				-F107 125A				-F108 125A				-F109 125A			
		-F201 Gr. 3 disconnecting blades				-F202 Gr. 3 disconnecting blades				-F203 Gr. 3 disconnecting blades				-F204 Gr. 3 disconnecting blades				-F205 Gr. 3 disconnecting blades				-F206 Gr. 3 disconnecting blades				-F207 Gr. 3 disconnecting blades				-F208 Gr. 3 disconnecting blades				-F209 Gr. 3 disconnecting blades			
=B6																																					
9 x 160A Fuse DC		-F101 160A				-F102 160A				-F103 160A				-F104 160A				-F105 160A				-F106 160A				-F107 160A				-F108 160A				-F109 160A			
		-F201 Gr. 3 disconnecting blades				-F202 Gr. 3 disconnecting blades				-F203 Gr. 3 disconnecting blades				-F204 Gr. 3 disconnecting blades				-F205 Gr. 3 disconnecting blades				-F206 Gr. 3 disconnecting blades				-F207 Gr. 3 disconnecting blades				-F208 Gr. 3 disconnecting blades				-F209 Gr. 3 disconnecting blades			
			Date	07.04.2011	Sunny Central 720-CP-10				SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0		=2_1_fuses positiv disconnentig blades negativ and options 3_X		SC-720-CP-10:A		SC-720-CP-10		&EFS E8																				
			Author	R.Branz																																	
			Checked	J.Bader																																	
Modification	Date	Name	Origin		Replacement of	Replaced by											SC-720-CP-10-CEN110910																				

-F104

200A

1

2

-F105

200A

1

2

-F106

200A

1

2

-F107

200A

1

2

-F108

200A

1

2

-F109

200A

1

2

-F201

Gr. 3

disconnecting blades

-F202

Gr. 3

disconnecting blades

-F203

Gr. 3

disconnecting blades

-F204

Gr. 3

disconnecting blades

-F205

Gr. 3

disconnecting blades

-F206

Gr. 3

disconnecting blades

-F207

Gr. 3

disconnecting blades

-F208

Gr. 3

disconnecting blades

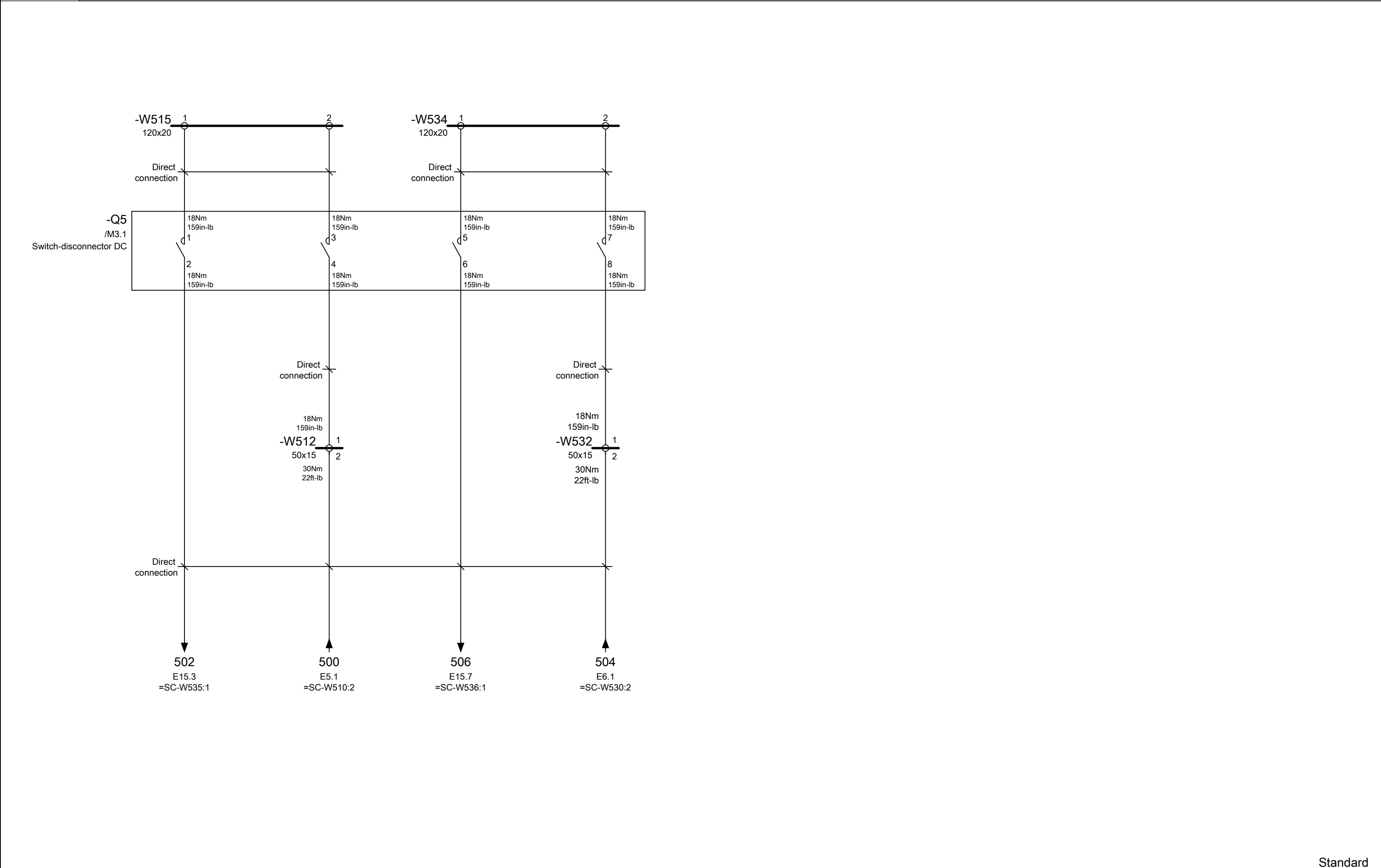
-F209

Gr. 3

disconnecting blades

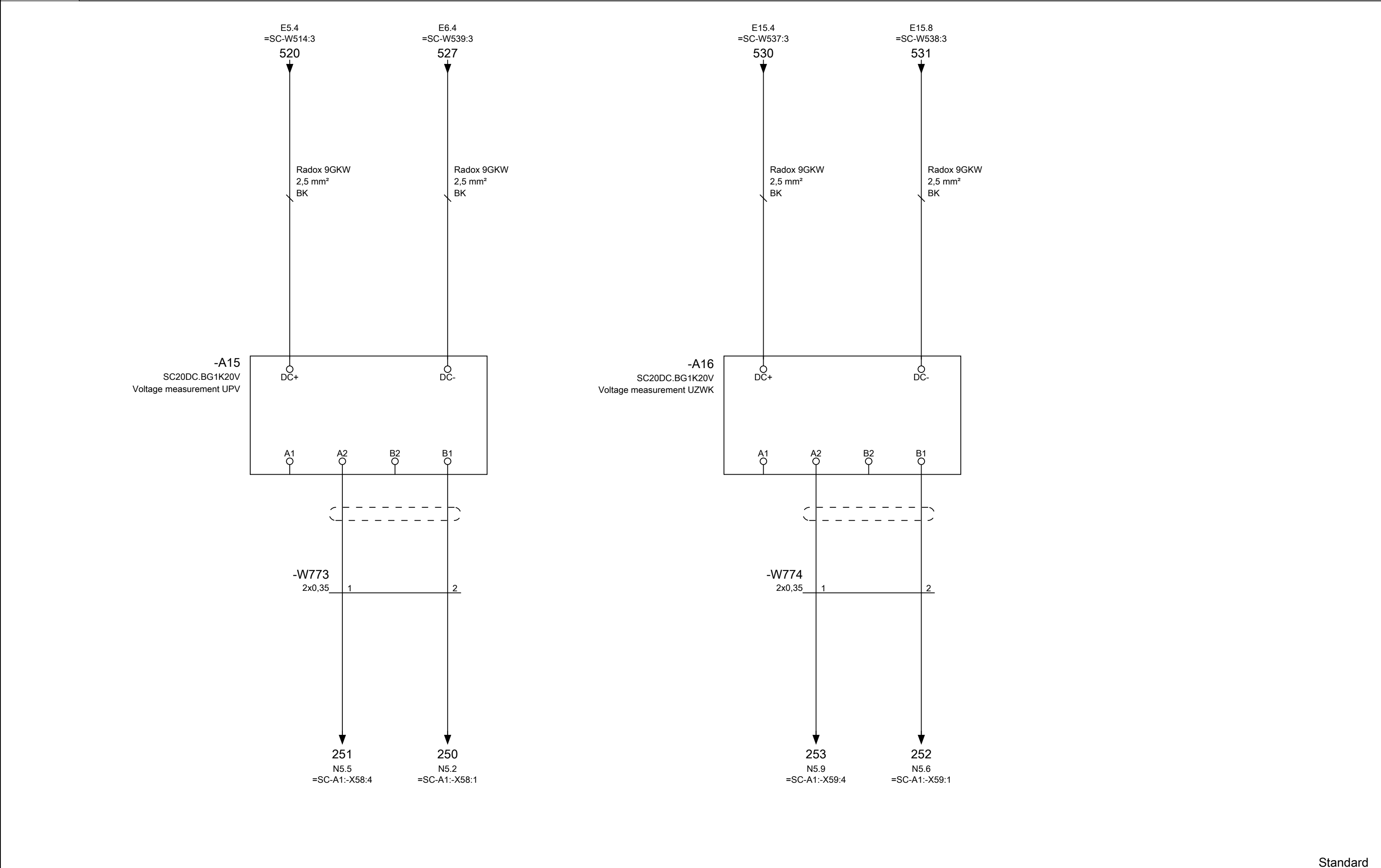
1		2		3		4		5		6		7		8		9		10																			
=SC																																					
=C1																																					
9 x 200A Fuse DC		<div>-F101 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F102 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F103 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F104 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F105 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F106 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F107 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F108 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F109 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>	
		<div>-F201 200A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F202 200A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F203 200A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F204 200A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F205 200A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F206 200A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F207 200A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F208 200A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F209 200A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>	
=C2																																					
9 x 250A Fuse DC		<div>-F101 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F102 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F103 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F104 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F105 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F106 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F107 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F108 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F109 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>	
		<div>-F201 250A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F202 250A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F203 250A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F204 250A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F205 250A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F206 250A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F207 250A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F208 250A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F209 250A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>	
=C3																																					
7 x 315A Fuse DC		<div>-F101 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F102 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F103 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F104 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F105 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F106 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F107 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>									
		<div>-F201 315A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F202 315A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F203 315A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F204 315A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F205 315A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F206 315A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F207 315A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>									
=C4																																					
6 x 400A Fuse DC		<div>-F101 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F102 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F103 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F104 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F105 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F106 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>													
		<div>-F201 400A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F202 400A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F203 400A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F204 400A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F205 400A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F206 400A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>													
=C5																																					
9 x 125A Fuse DC		<div>-F101 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F102 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F103 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F104 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F105 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F106 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F107 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F108 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F109 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>	
		<div>-F201 125A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F202 125A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F203 125A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F204 125A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F205 125A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F206 125A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F207 125A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F208 125A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F209 125A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>	
=C6																																					
9 x 160A Fuse DC		<div>-F101 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F102 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F103 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F104 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F105 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F106 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F107 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F108 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F109 Gr. 3 disconnecting blade</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>	
		<div>-F201 160A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F202 160A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F203 160A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F204 160A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F205 160A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F206 160A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F207 160A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F208 160A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>		<div>-F209 160A</div>		<div><div><div></div><div>2</div></div><div><div></div><div>1</div></div></div>	
			Date	07.04.2011	Sunny Central 720-CP-10 <div>SMA</div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0			=2_2_fuses negativ disconnentig blades positiv and options 3_X			SC-720-CP-10:A			SC-720-CP-10		&EFS																			
			Author	R.Branz														E9																			
			Checked	J.Bader																																	
Modification	Date	Name	Origin		Replacement of	Replaced by								SC-720-CP-10-CEN110910																							

1	2	3	4	5	6	7	8	9	10
=SC	DC-Switch-disconnector								

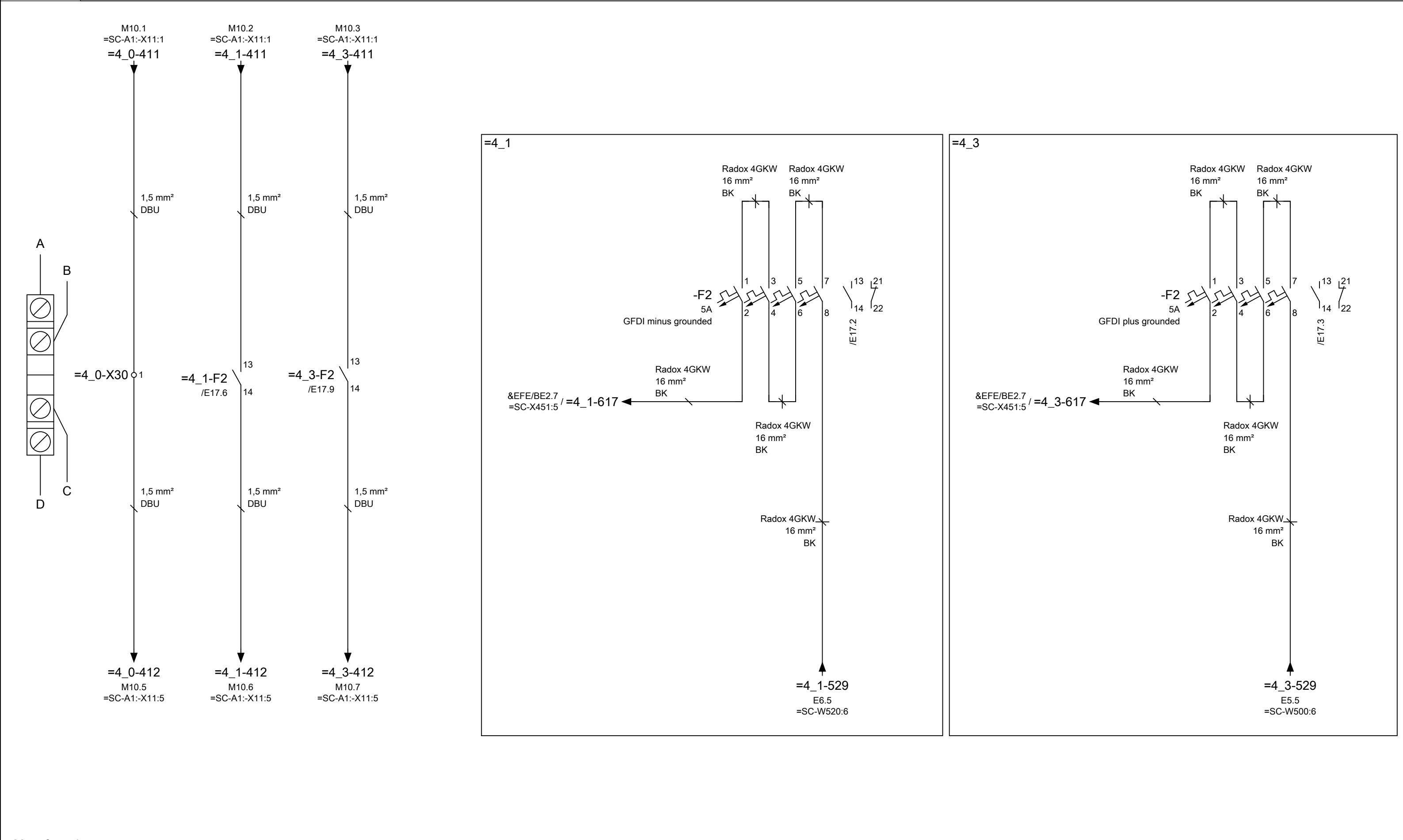


			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	DC Switch-disconnector	SC-720-CP-10:A		SC-720-CP-10		&EFS
			Author	R.Branz							E14		
			Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910		





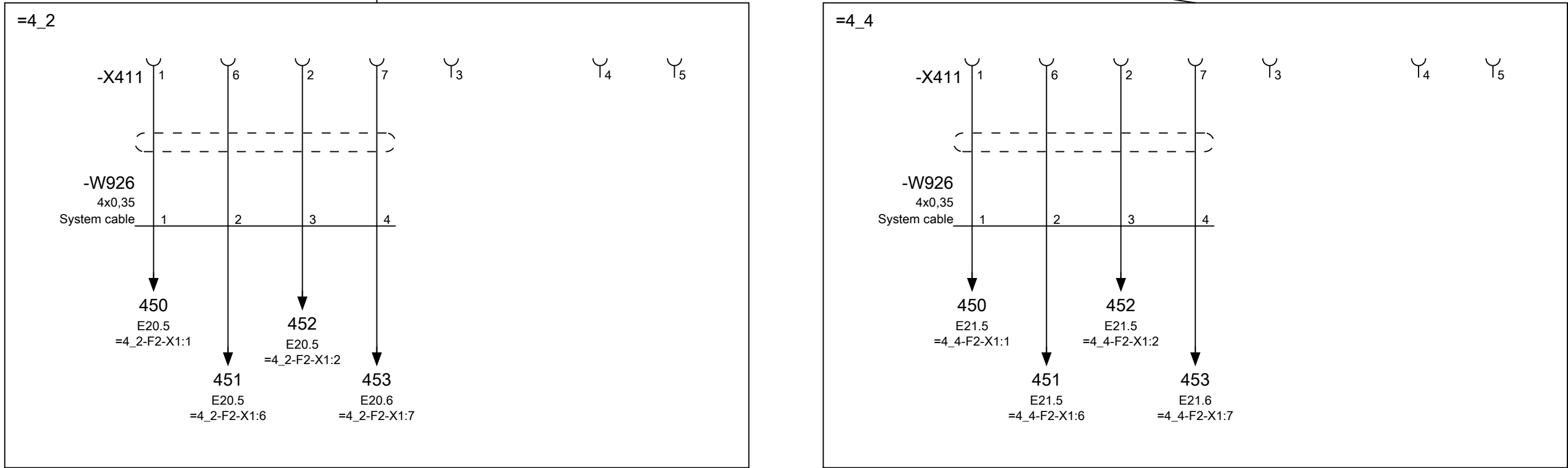
1	2	3	4	5	6	7	8	9	10	
=SC	=4_0-X30 = Grounding Option 4_0				GFDI (ground fault detection indicator)			GFDI (ground fault detection indicator)		
					Minus grounded			Plus grounded		



Manufacturing :										Option 4_0		
Pay attention to the correct allocation of the connection contacts: Circuit breaker GFDI =SC-F2										Option 4_1		
Terminal =4_0-X30 is not used at option =4_1, 4_2, 4_3, 4_4, 4_5, 4_6										Option 4_3		
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div>SMA</div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	GFDI fuse monitoring	SC-720-CP-10:A		SC-720-CP-10 &EFS	
			Author	R.Branz							E17	
			Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by			SC-720-CP-10-CEN110910			

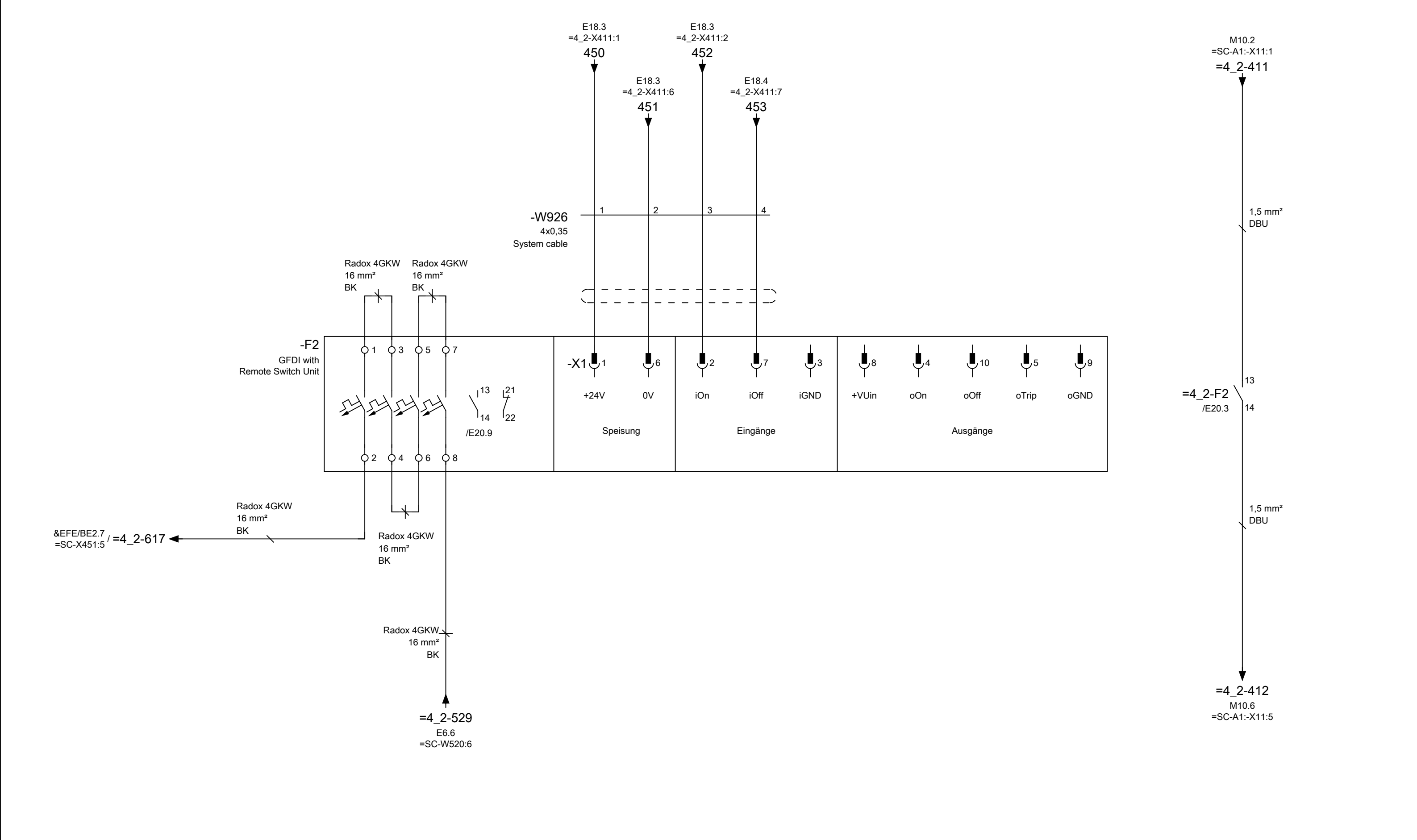


=SC	-X410 = Control voltage External	
	=4 2-X411 = Control voltage External	=4 4-X411 = Control voltage External



			Date	07.04.2011	<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <b>Sunny Central 720-CP-10</b> </div> <div style="flex: 0.5; text-align: center;">  </div> <div style="flex: 2;"> <b>SMA Solar Technology AG</b>  D-34266 Niestetal  +49 (0)561 - 9522 - 0 </div> </div>		<b>GFDI fuse monitoring Option</b> 4_2 , 4_4		<b>SC-720-CP-10:A</b>		<b>SC-720-CP-10</b>		<b>&amp;EFS</b>
		<b>E18</b>											
			Author	R.Branz									
			Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by			<b>SC-720-CP-10-CEN110910</b>				

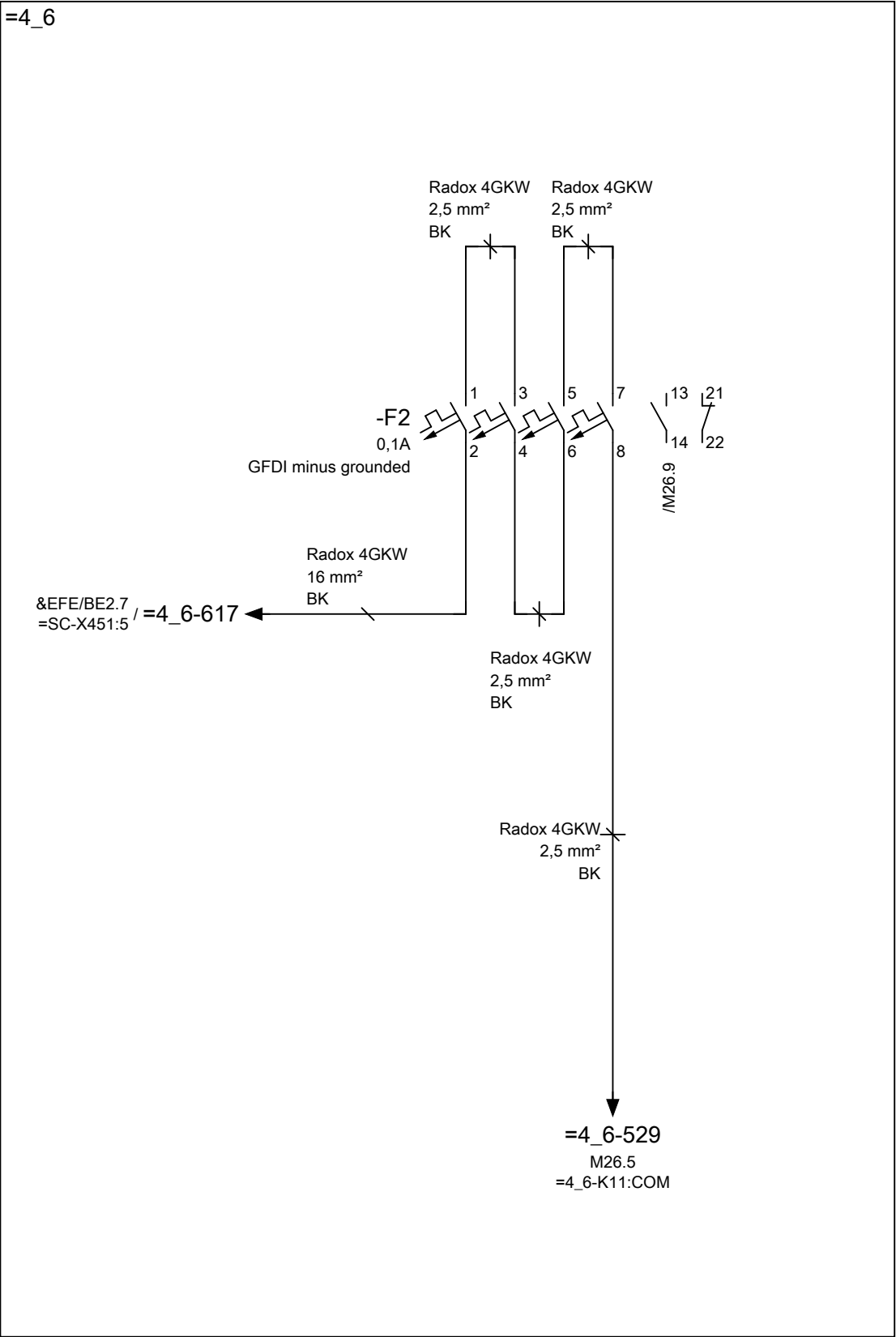
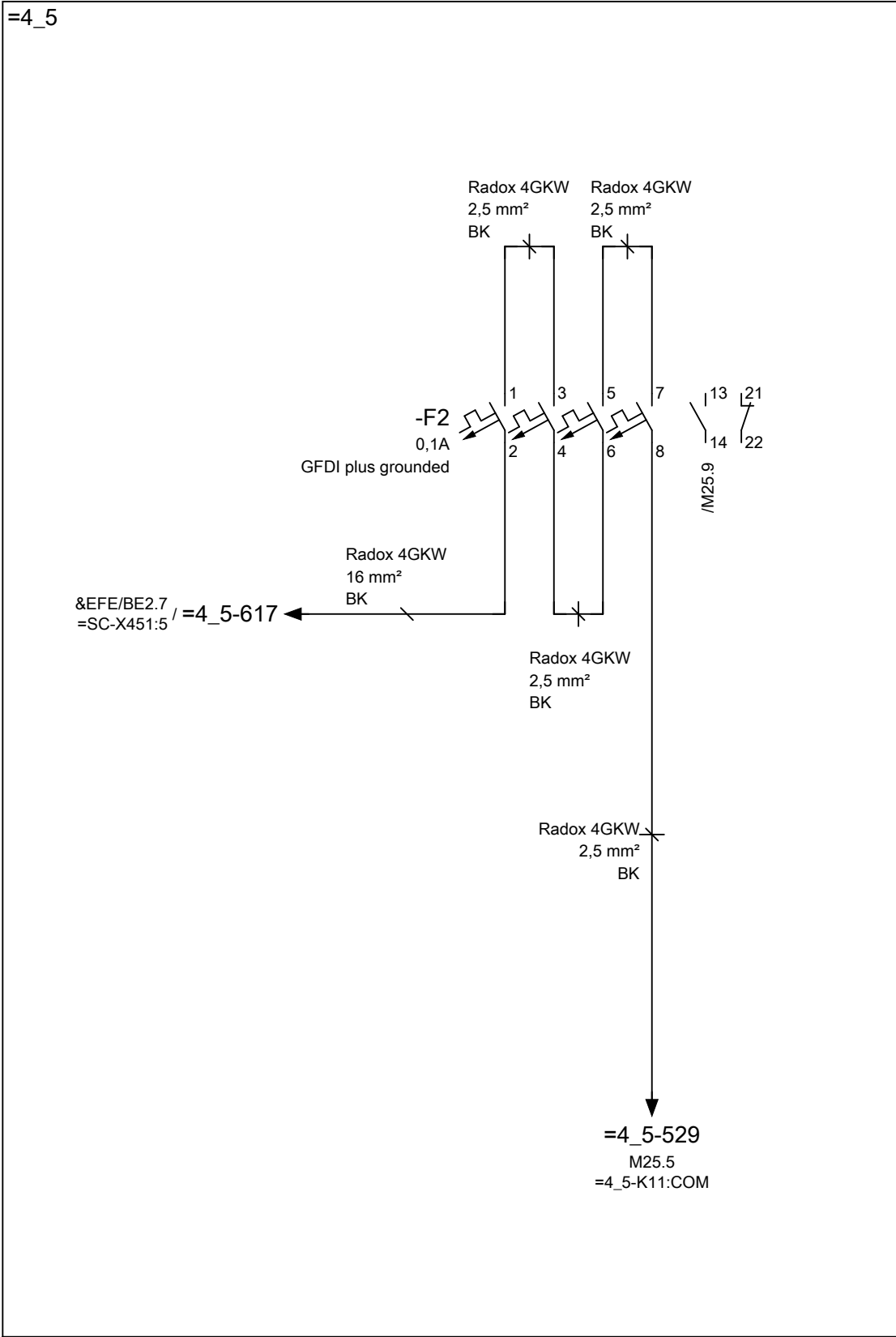
1	2	3	4	5	6	7	8	9	10
=4_2	=4_2-F2-X1 = motor drive GFDI								



Manufacturing :				Pay attention to the correct allocation of the connection contacts: Circuit breaker GFDI =SC-F2						Option 4_2	
Terminal =4_0-X30 is not used at option =4_1, 4_2, 4_3, 4_4, 4_5, 4_6				Date	07.04.2011	Sunny Central 720-CP-10		SMA		SMA Solar Technology AG	
				Author	R.Branz					D-34266 Niestetal	
				Checked	J.Bader					+49 (0)561 - 9522 - 0	
Modification	Date	Name	Origin	Replacement of		Replaced by		GFDI fuse monitoring		SC-720-CP-10:A	
										SC-720-CP-10	
										&EFS	
										E20	
										SC-720-CP-10-CEN110910	



1	2	3	4	5	6	7	8	9	10
=SC	Softgrounding				Softgrounding				
	Plus grounded				Minus grounded				

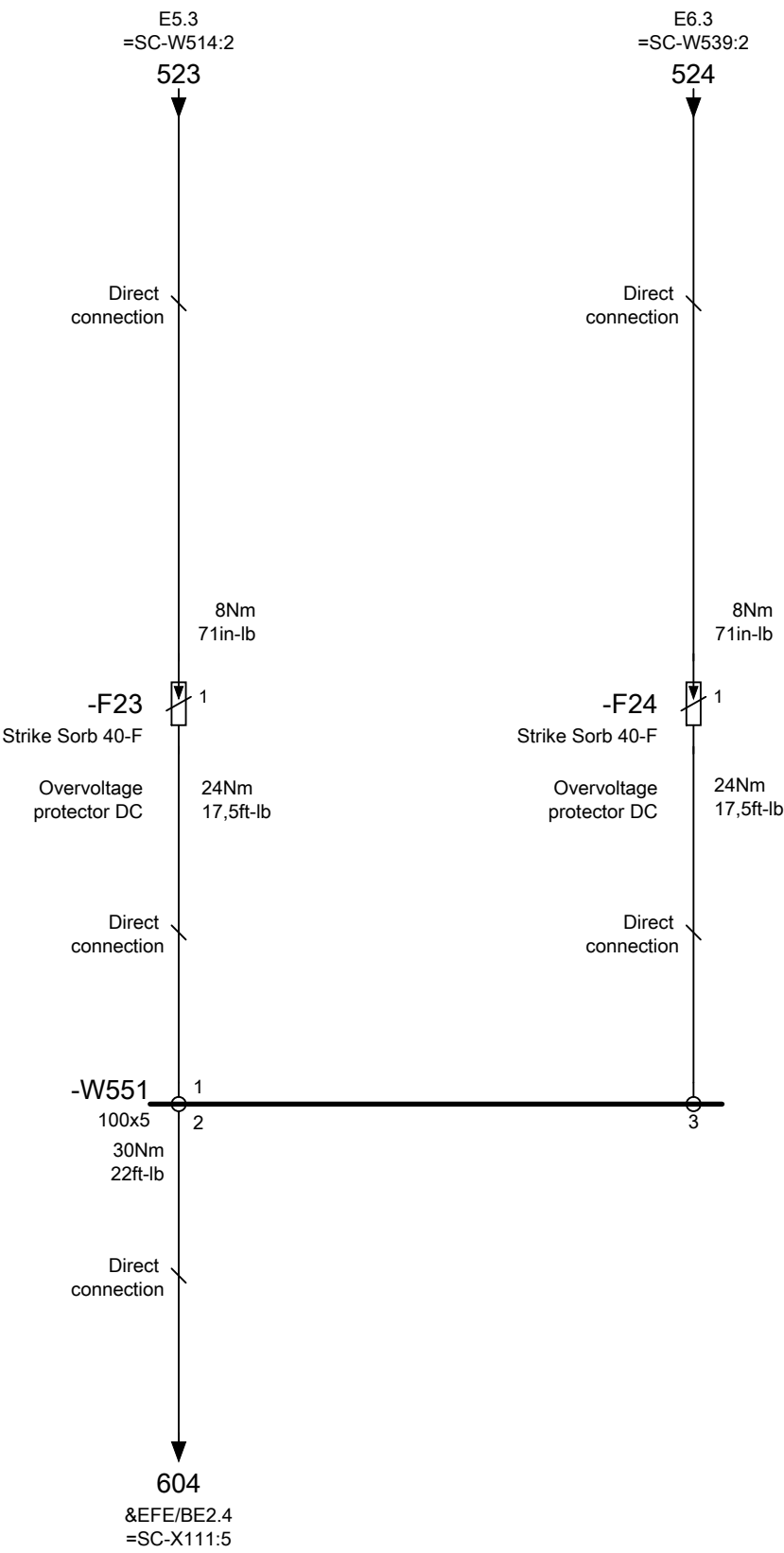


Manufacturing :  
Pay attention to the correct allocation of the connection contacts: Circuit breaker GFDI =SC-F2  
Terminal =4\_0-X30 is not used at option =4\_1, 4\_2, 4\_3, 4\_4, 4\_5, 4\_6

			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	GFDI fuse monitoring Option 4_5 , 4_6	SC-720-CP-10:A		SC-720-CP-10		&EFS E22			
			Author	R.Branz													
			Checked	J.Bader													
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910						

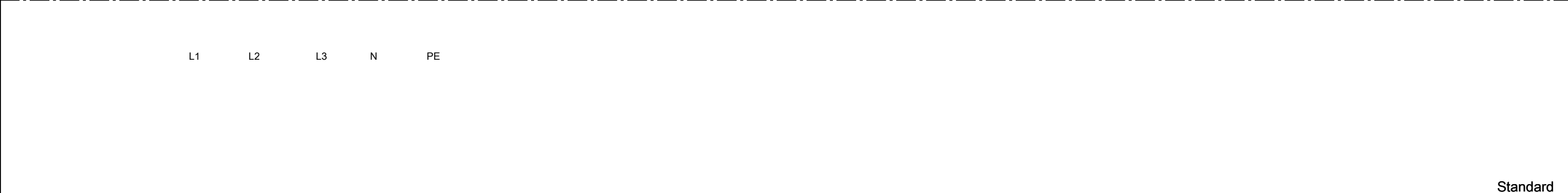
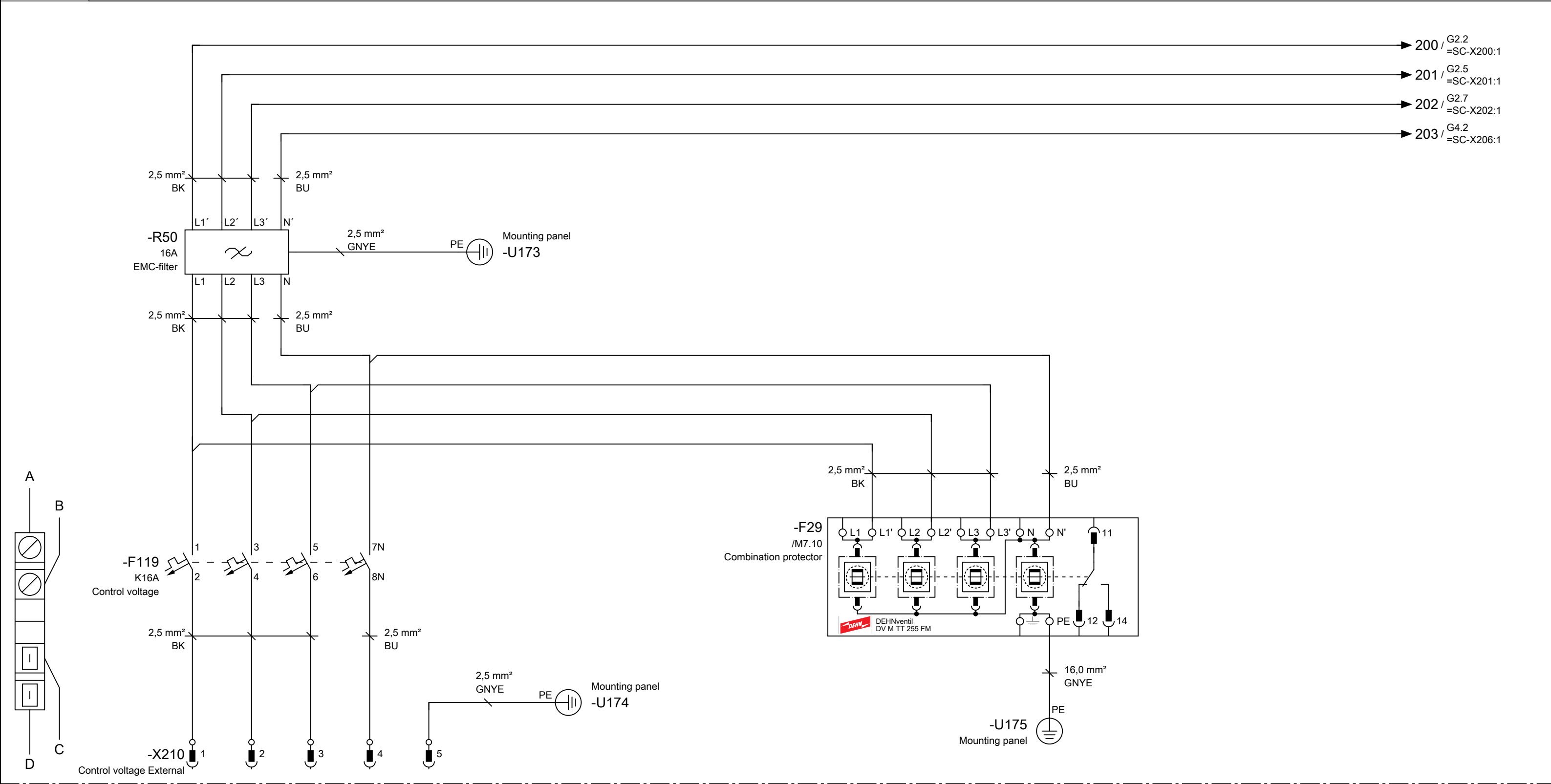
Option 4\_5  
Option 4\_6

1	2	3	4	5	6	7	8	9	10
=SC	Discharger								
	DC +								
	DC -								



Standard											
			Date	07.04.2011	Sunny Central 720-CP-10		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Overvoltage protector DC	SC-720-CP-10:A	SC-720-CP-10	&EFS
			Author	R.Branz					E23		
			Checked	J.Bader							
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910	

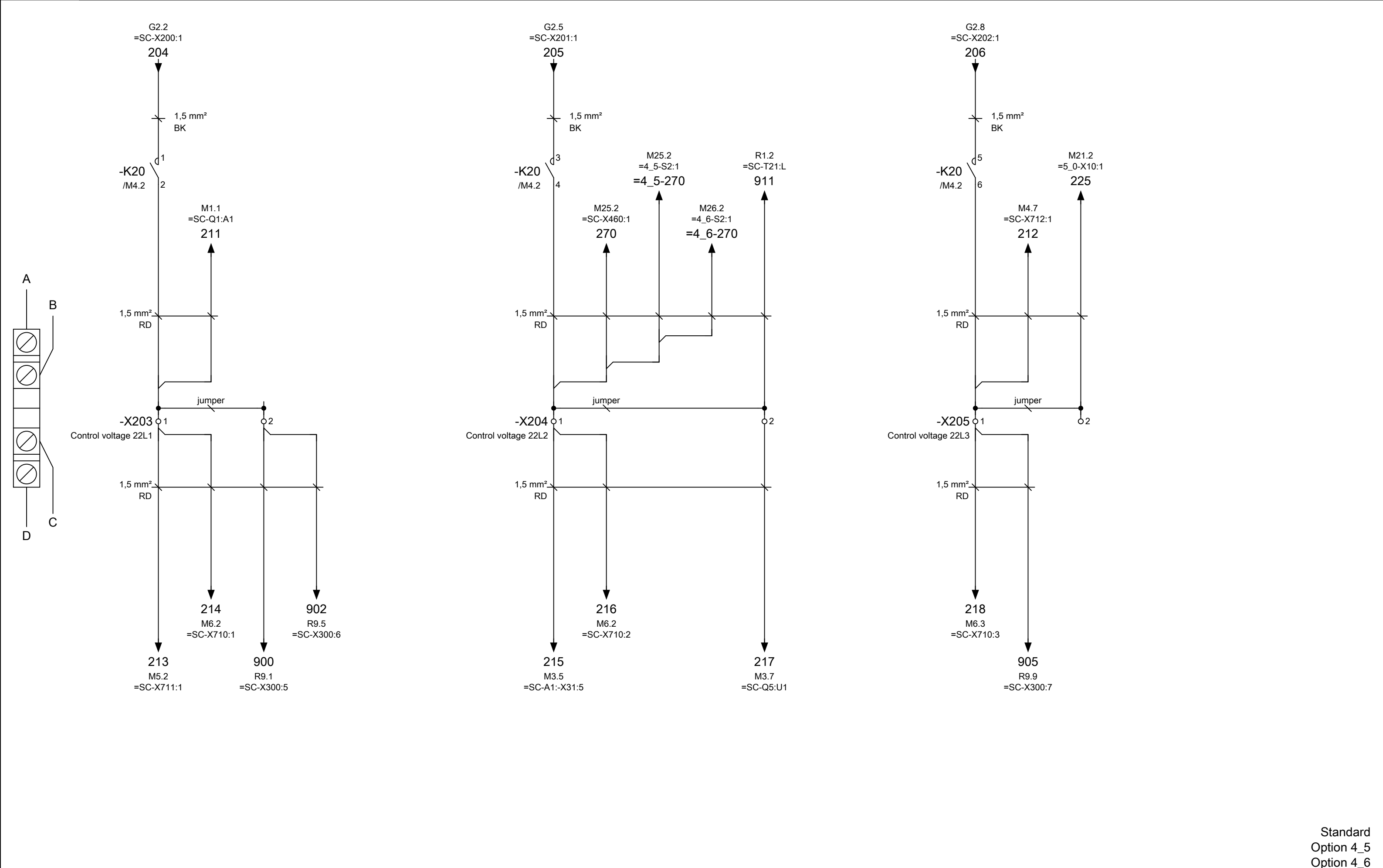
1	2	3	4	5	6	7	8	9	10
=SC	-X210 = Control voltage External								
	Overvoltage contactor								
	control voltage								



				Sunny Central 720-CP-10		SMA	SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	External Control voltage AC	SC-720-CP-10:A	Standard	
			Date	07.04.2011						SC-720-CP-10	&EFS
			Author	R.Branz							G1
			Checked	J.Bader							
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910	



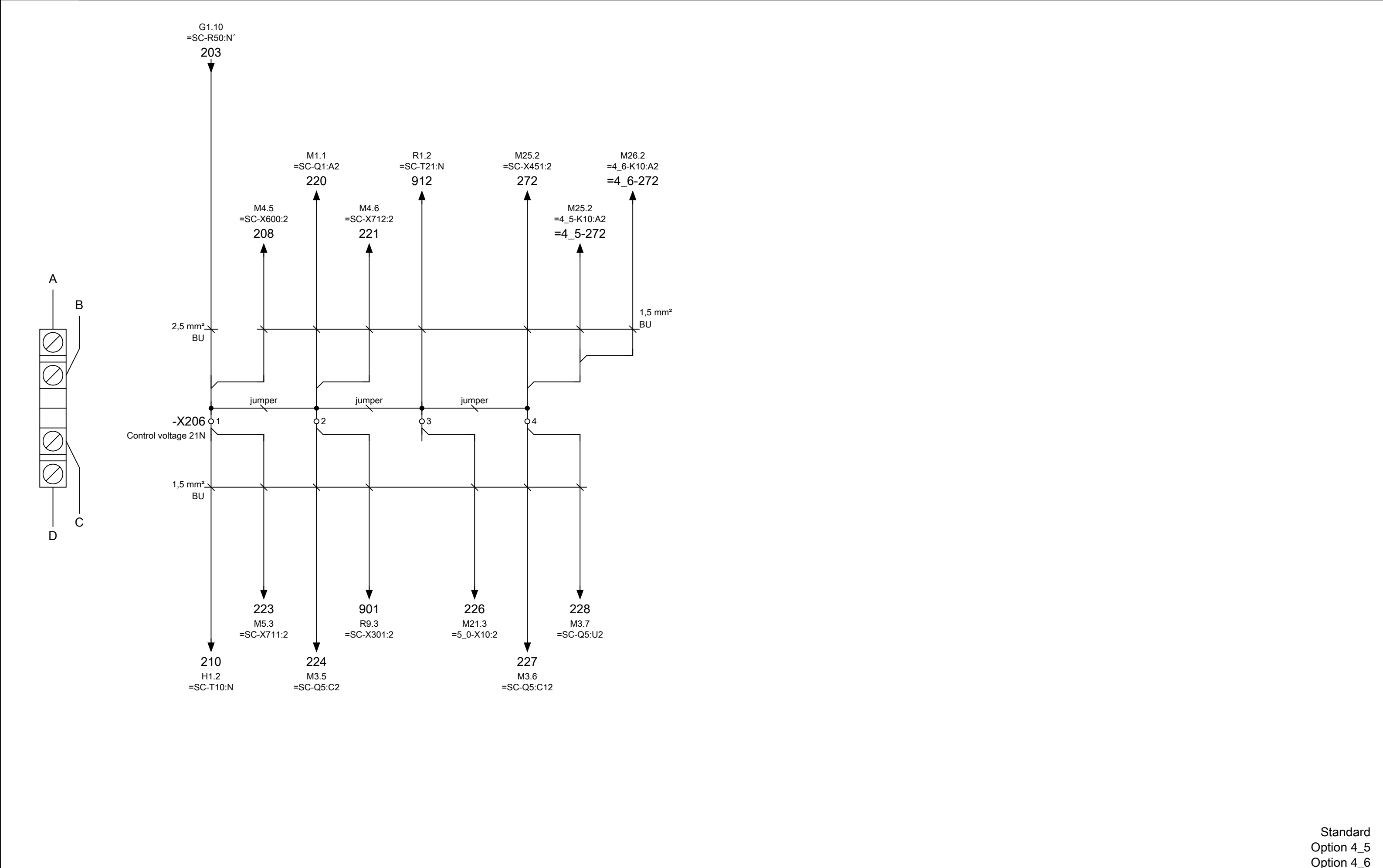
1	2	3	4	5	6	7	8	9	10
=SC	-X203 = Control voltage 22L1			-X204 = Control voltage 22L2			-X205 = Control voltage 22L3		



			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Control voltage AC X203,X204,X205	SC-720-CP-10:A		SC-720-CP-10		&EFS
			Author	R.Branz							G3		
			Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910		



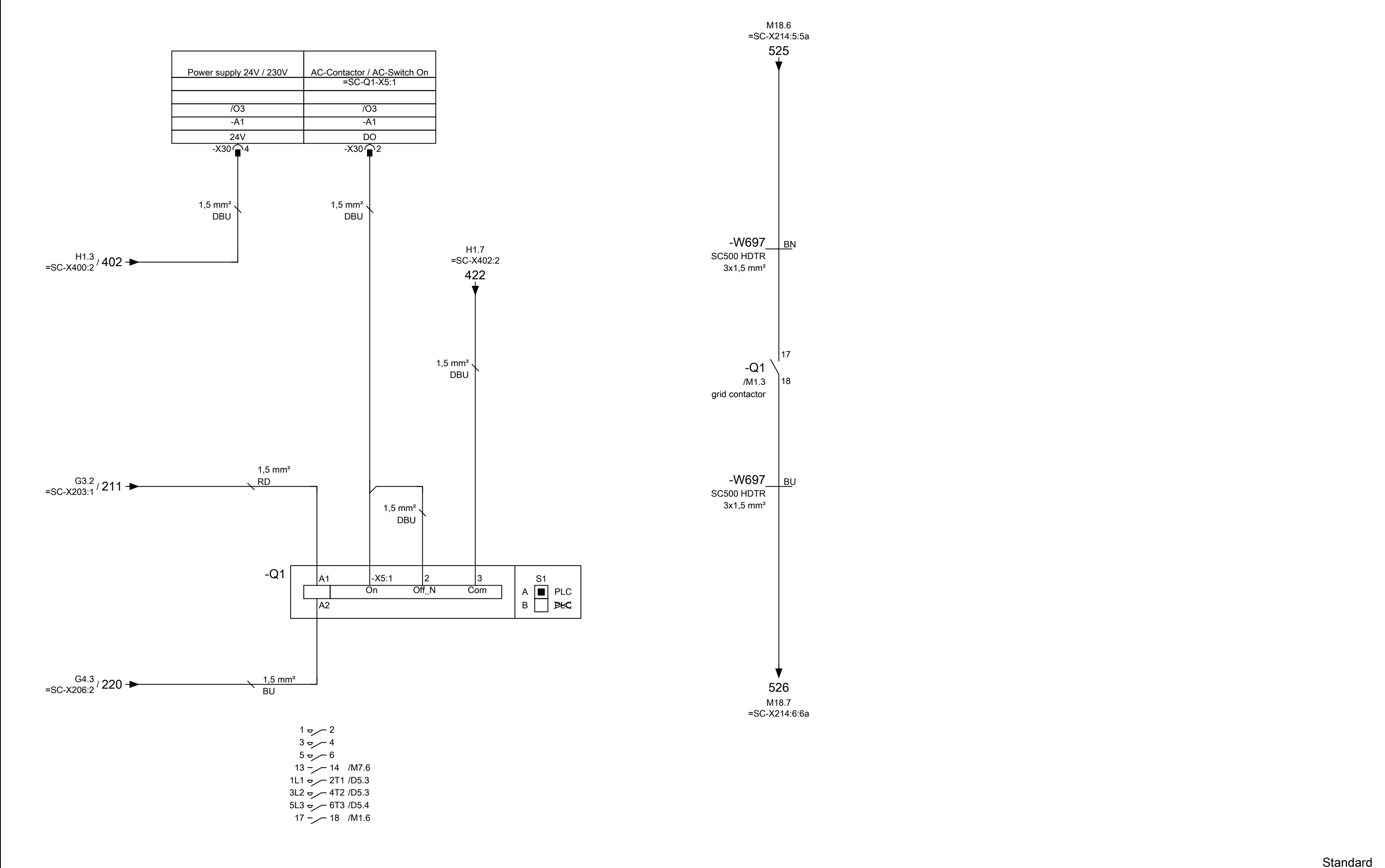
1	2	3	4	5	6	7	8	9	10
=SC		-X206 = Control voltage 21N							



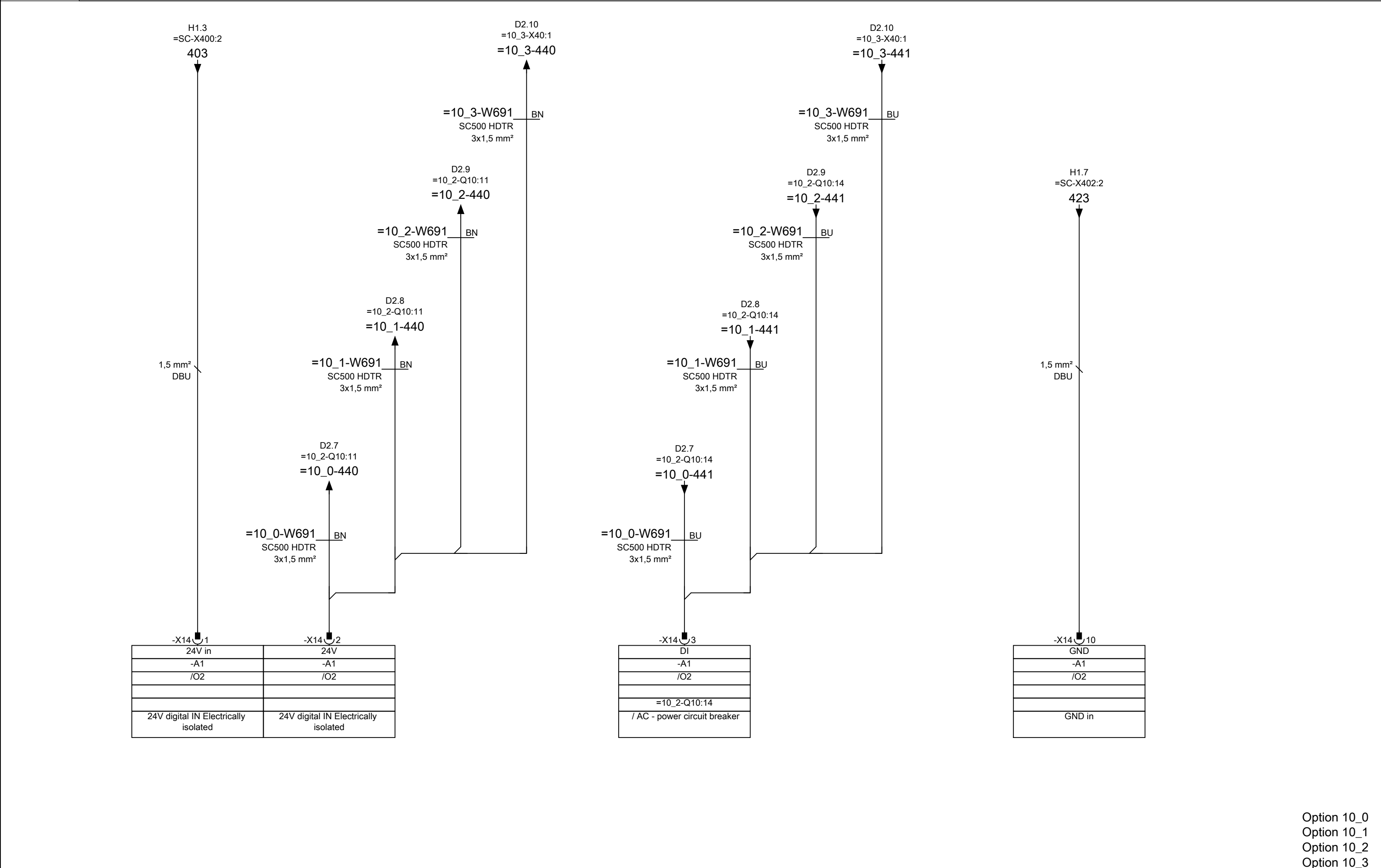
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div> <div>SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0</div>		Control voltage AC X206	SC-720-CP-10:A		SC-720-CP-10		&EFS
			Author	R.Branz						G4		
			Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by			SC-720-CP-10-CEN110910			



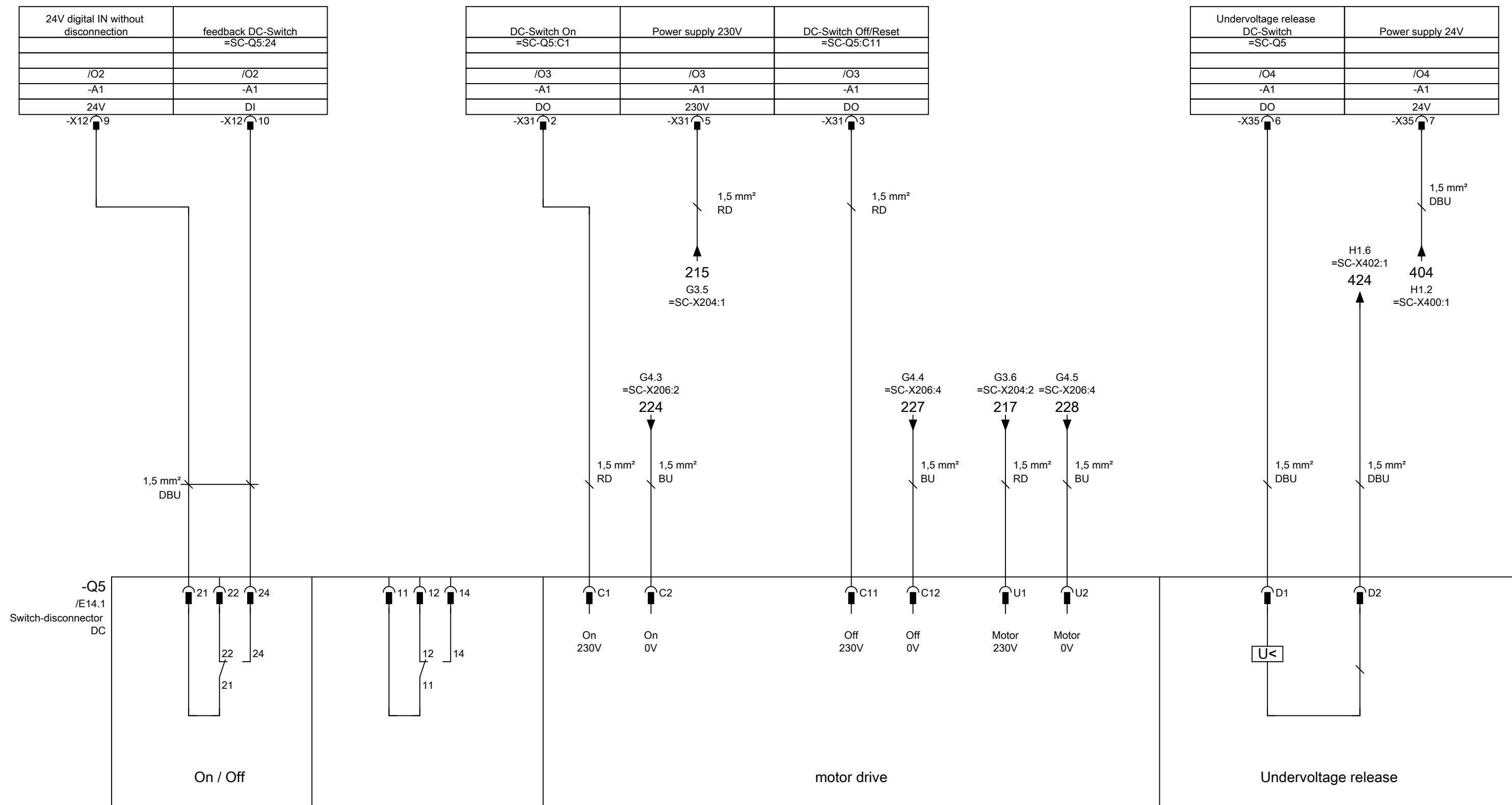
1	2	3	4	5	6	7	8	9	10
=SC	grid contactor				Grid contactor				
	on				closed				



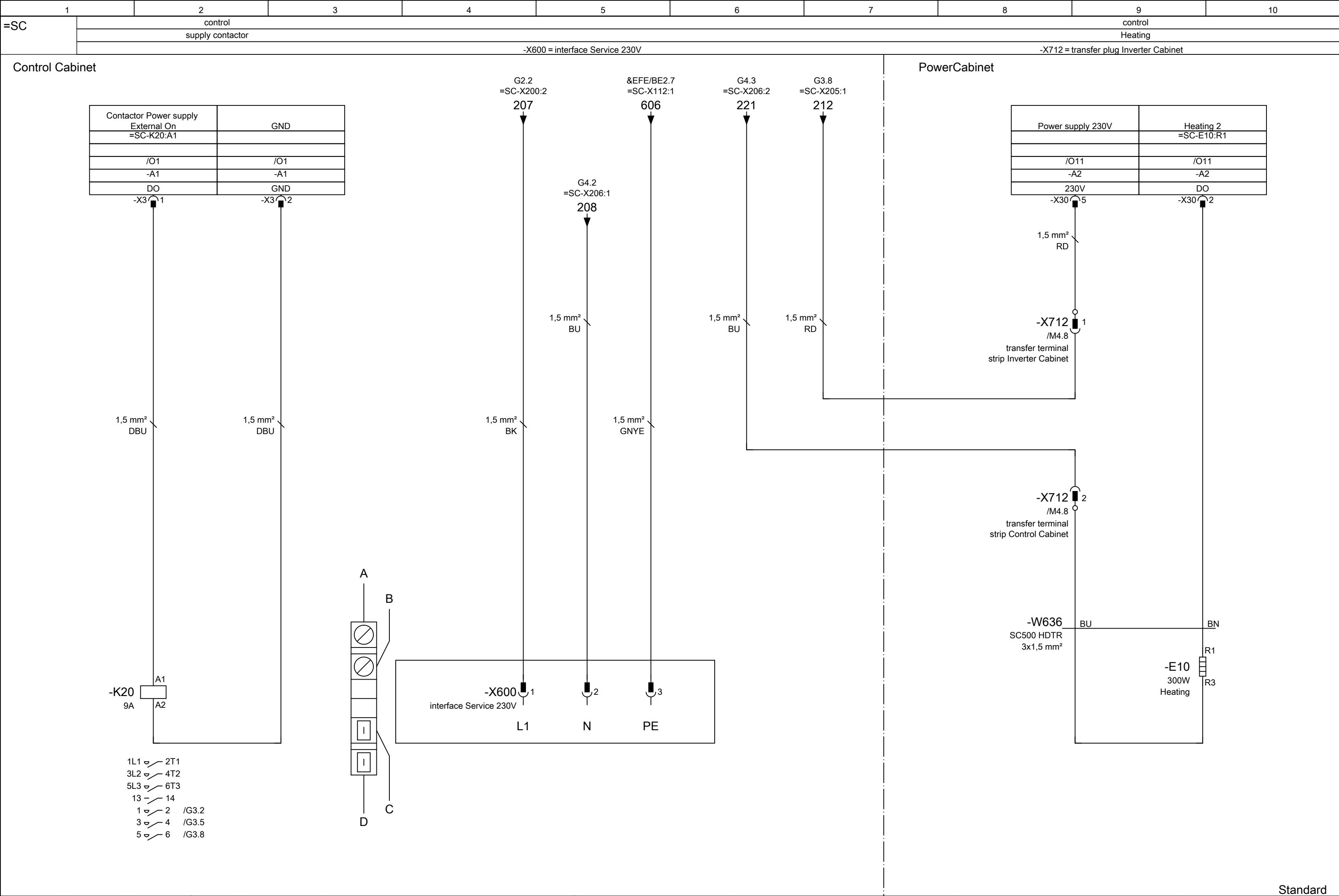
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Control Line contactor	SC-720-CP-10:A		SC-720-CP-10		&EFS
			Author	R.Branz							M1		
			Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by							

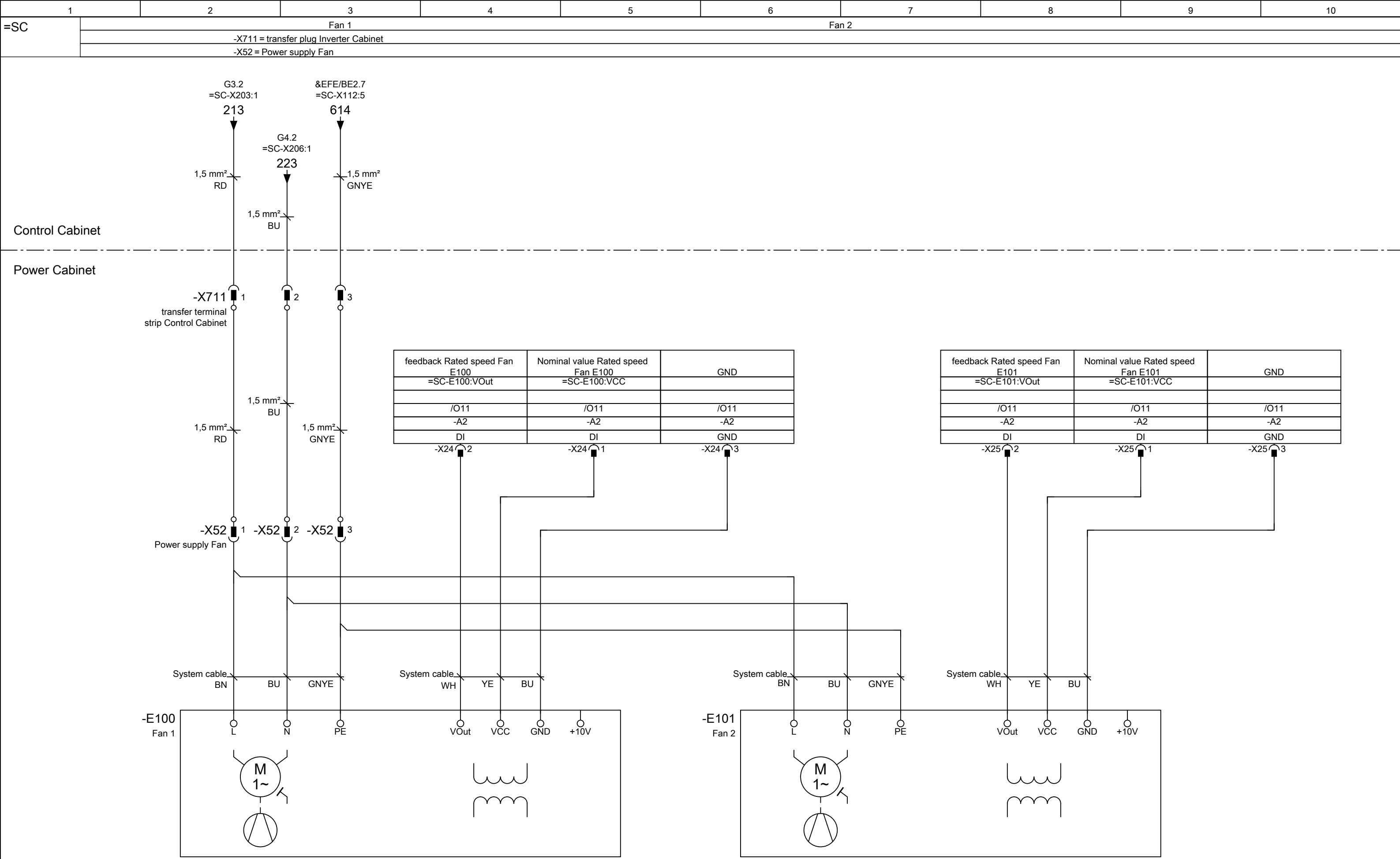


	1	2	3	4	5	6	7	8	9	10
=SC	DC- Switch		DC- Switch		DC- Switch		DC- Switch		DC- Switch	
	feedback		On		Off		Undervoltage coil			



			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div> <div>SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0</div>		Control DC Switch-disconnector	SC-720-CP-10:A		SC-720-CP-10 &EFS M3		Standard
		Author	R.Branz									
		Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by		SC-720-CP-10-CEN110910				

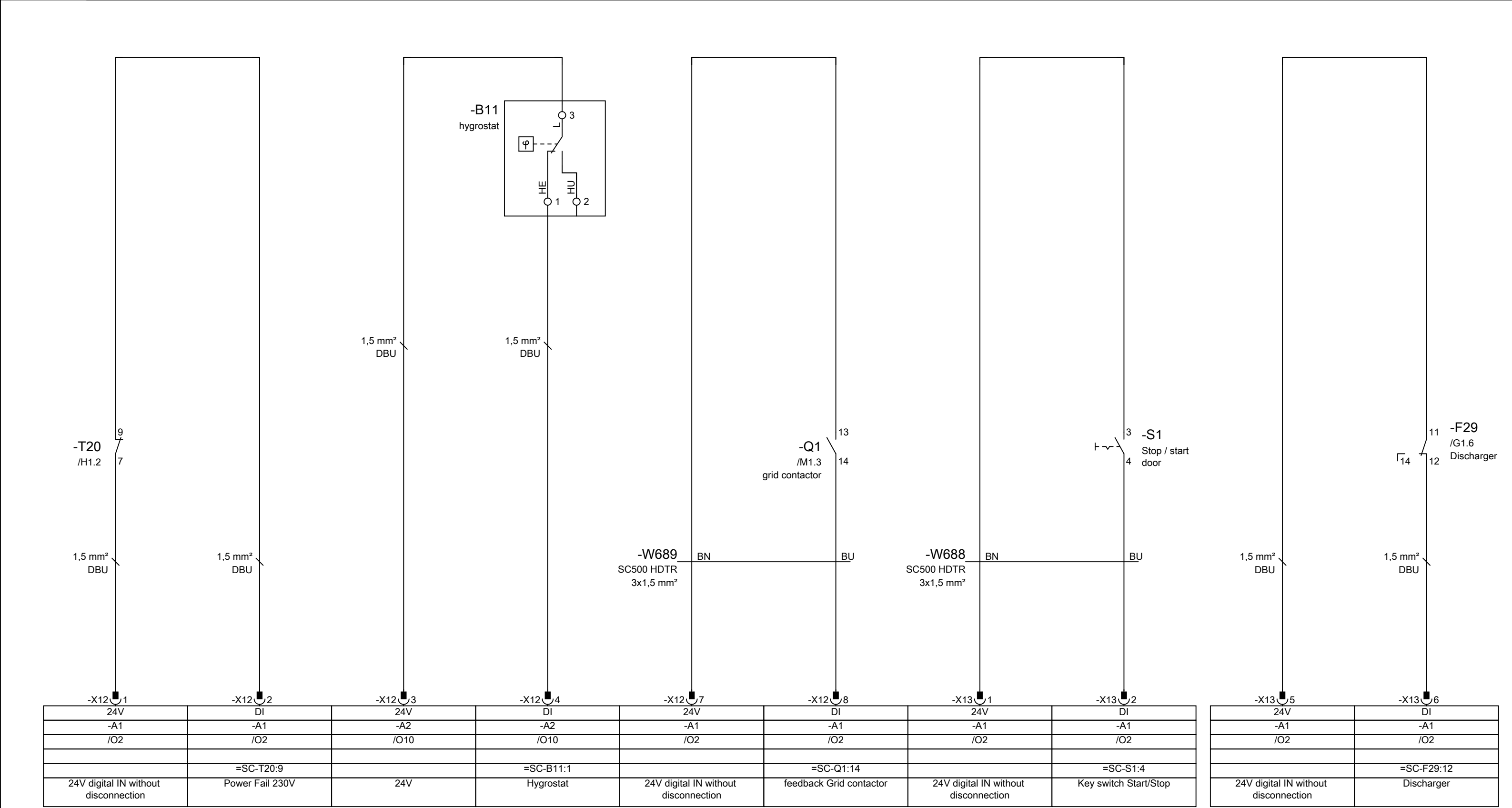




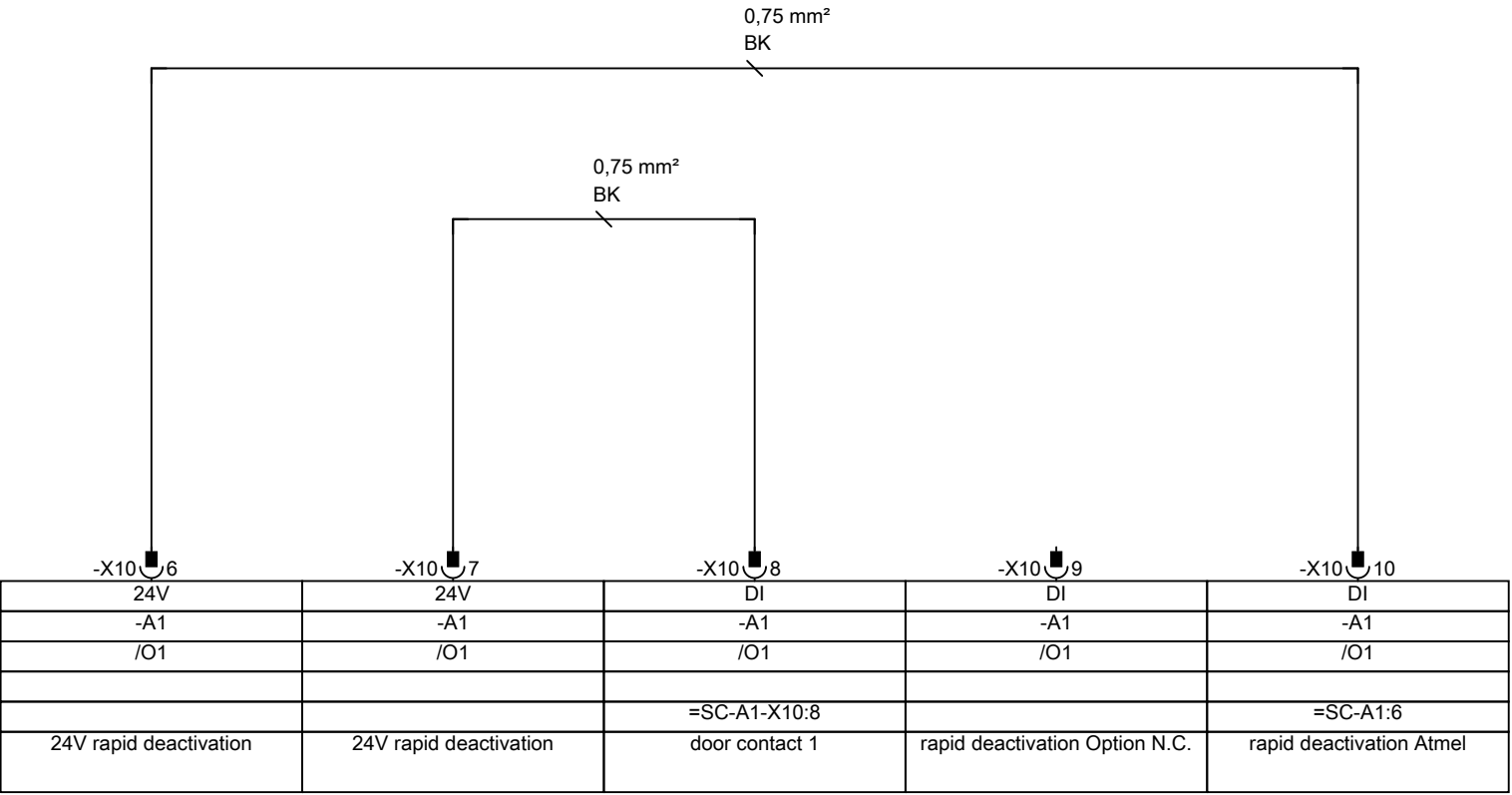
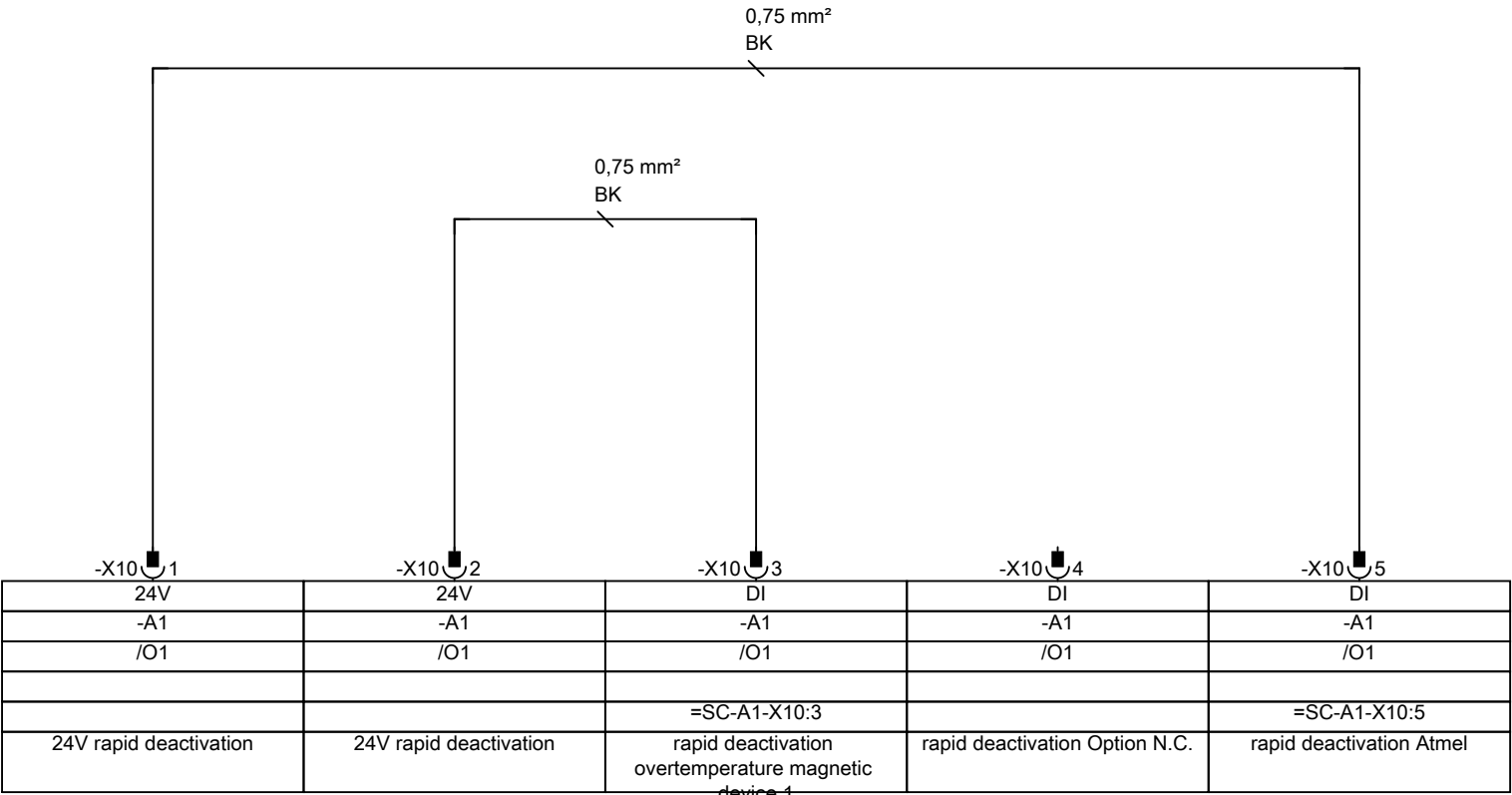




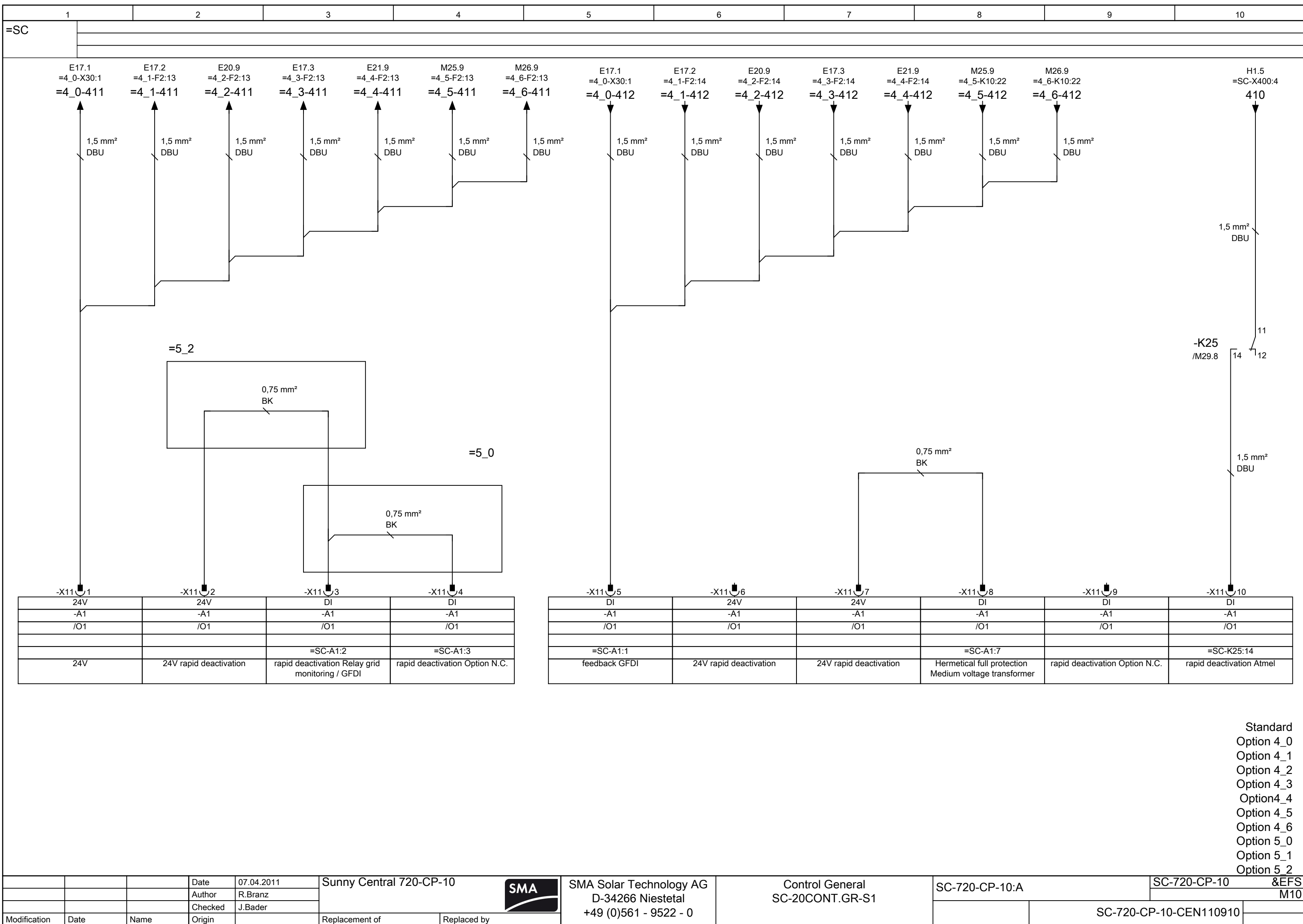
1	2	3	4	5	6	7	8	9	10	
=SC	Power Fail 230V		Hygrostat		feedback		Stop / start		Discharger	
	Grid contactor									



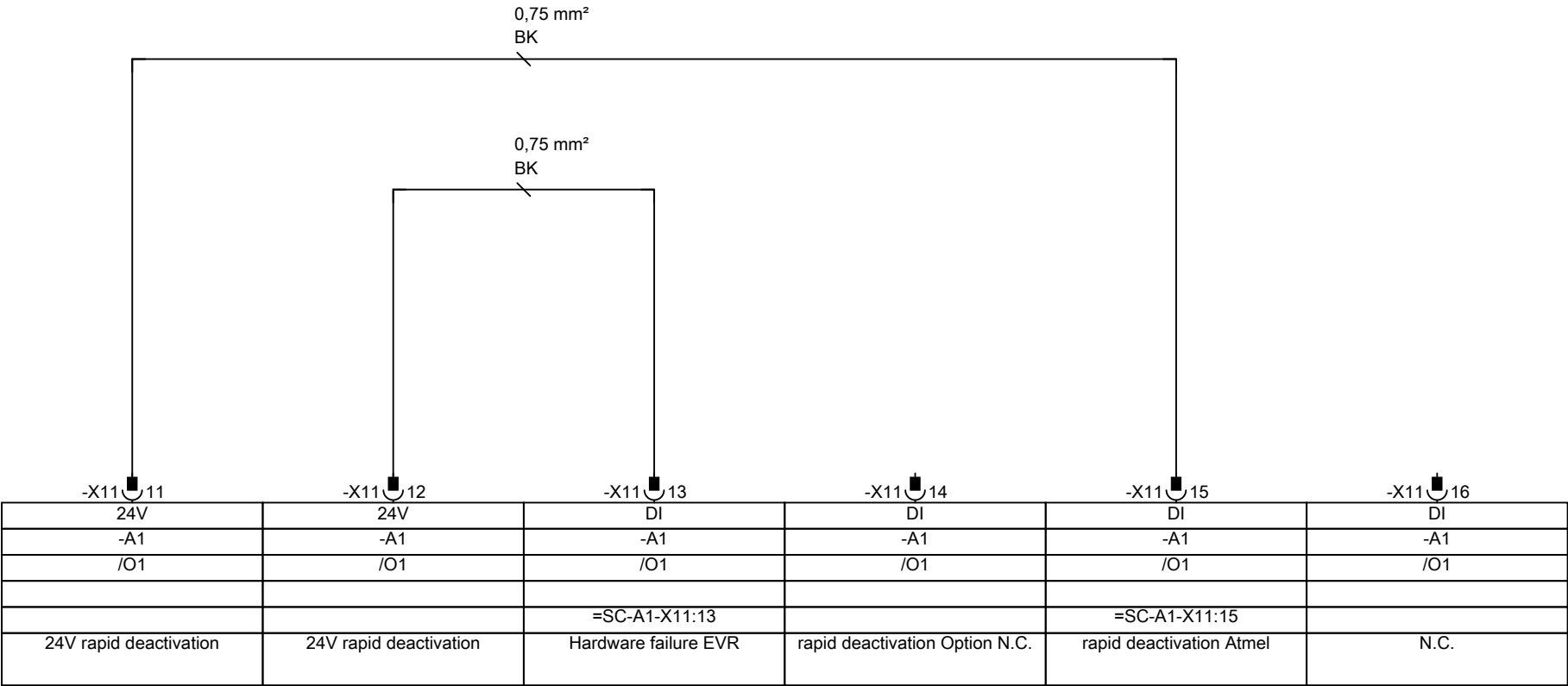
1	2	3	4	5	6	7	8	9	10
=SC									



[illegible]

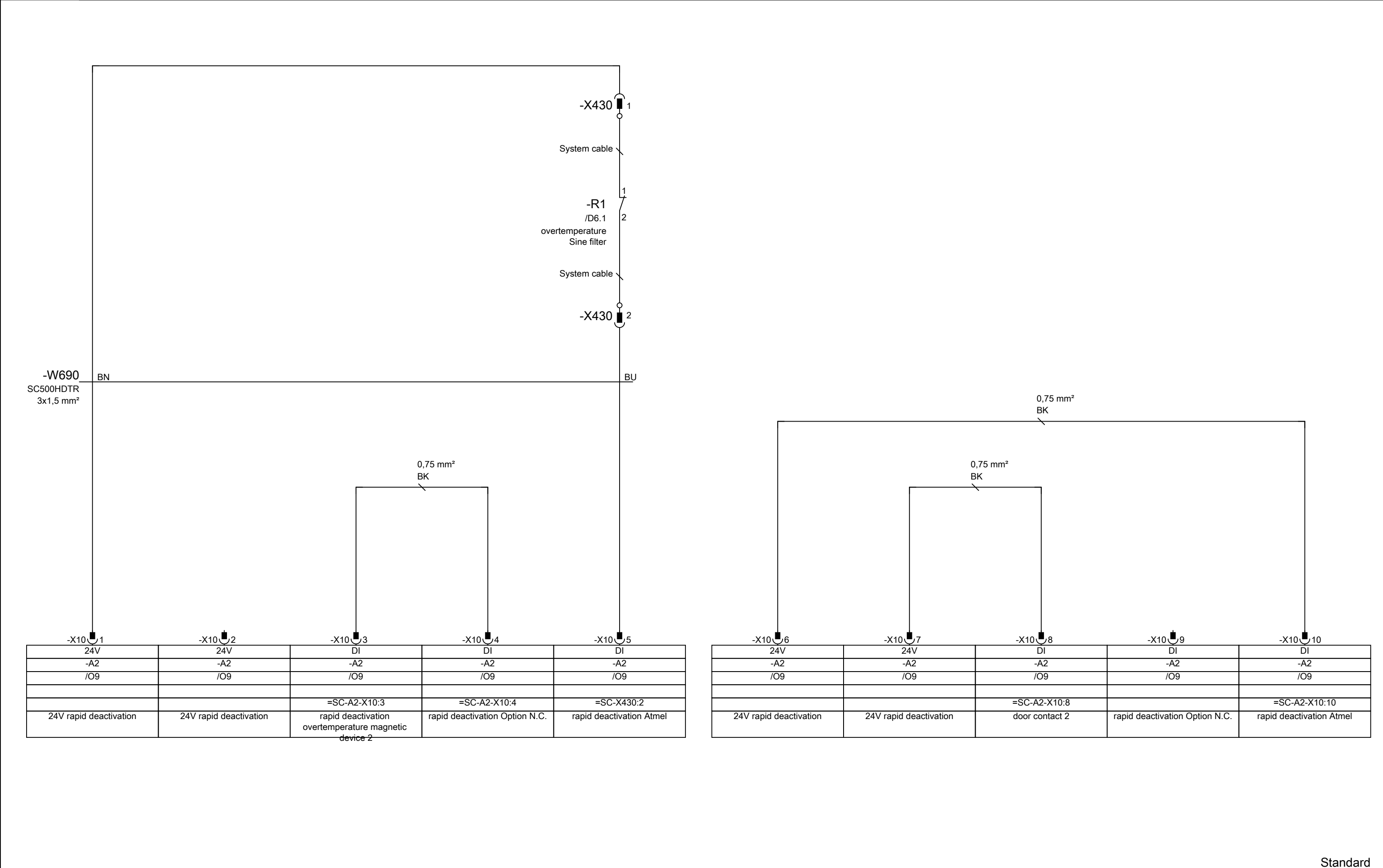


1	2	3	4	5	6	7	8	9	10
=SC									



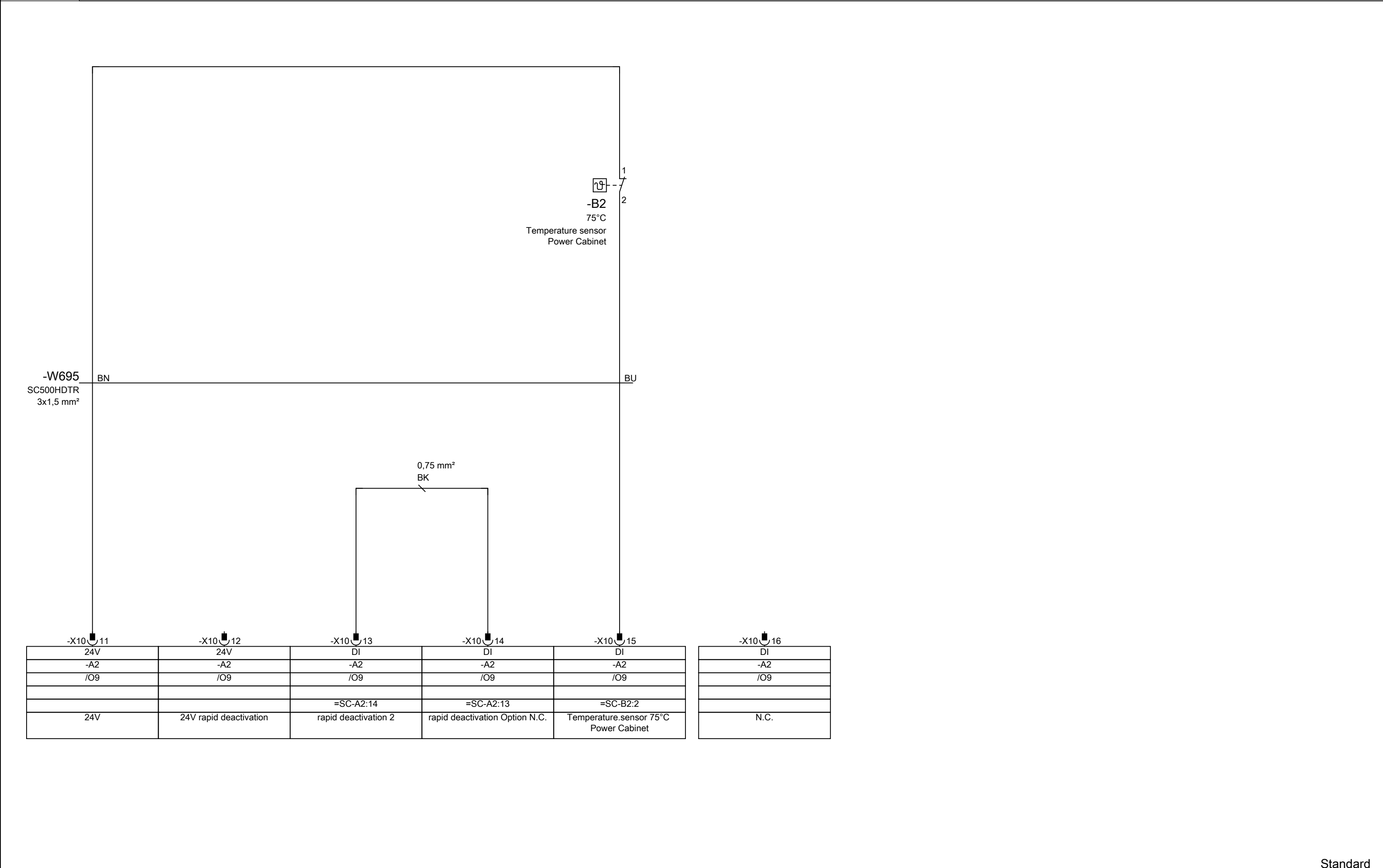


1	2	3	4	5	6	7	8	9	10
=SC	-X430 = Temperature Sensor Sine filter								



				Sunny Central 720-CP-10		SMA Solar Technology AG		Control General		SC-720-CP-10:A		SC-720-CP-10		Standard	
						D-34266 Niestetal		SC20CAIO.GR1						&EFS	
						+49 (0)561 - 9522 - 0								M14	
Modification	Date	Name	Origin	Replacement of		Replaced by						SC-720-CP-10-CEN110910			

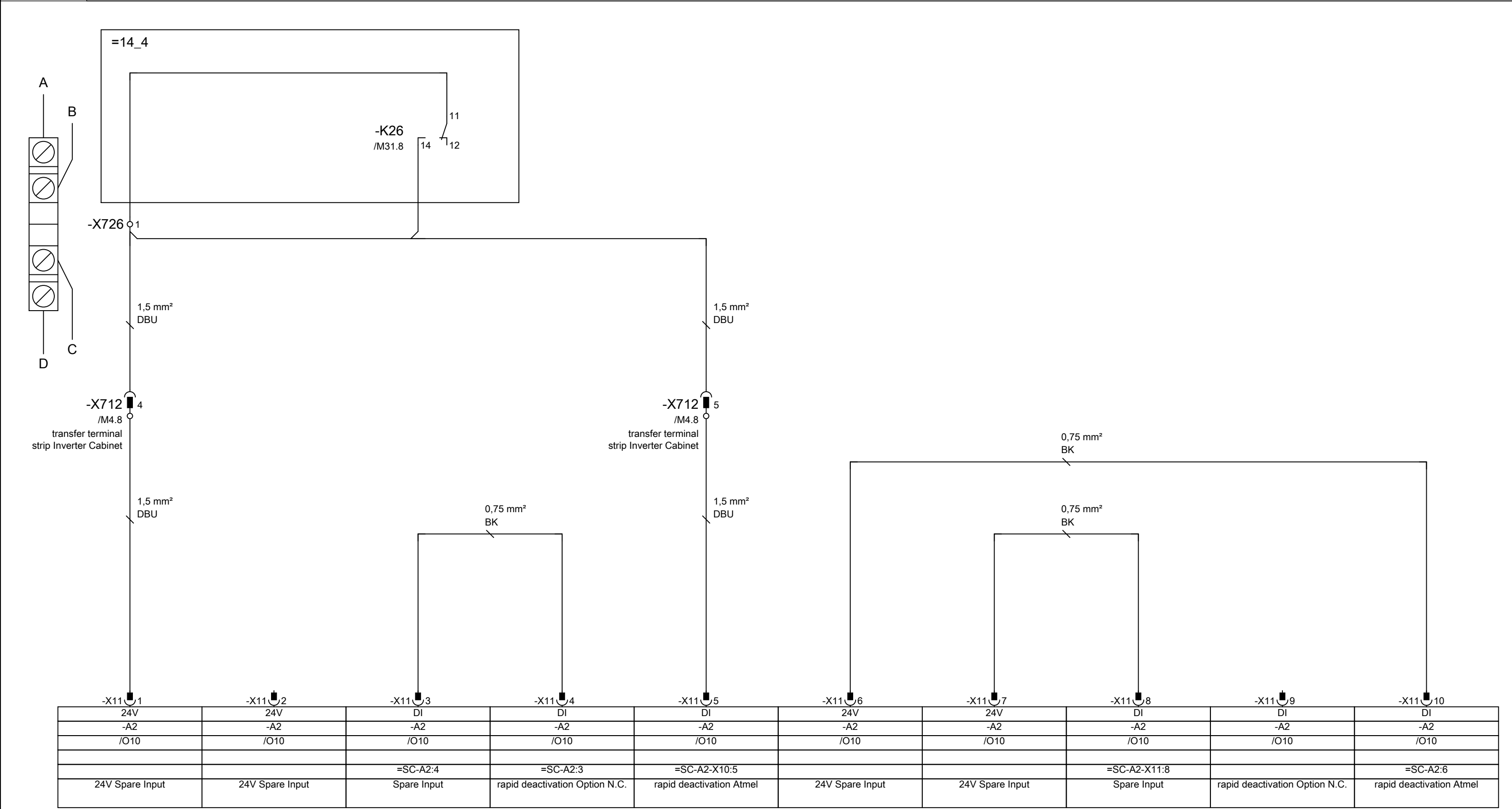
1	2	3	4	5	6	7	8	9	10
=SC	Temperature sensor								
	Power Cabinet								



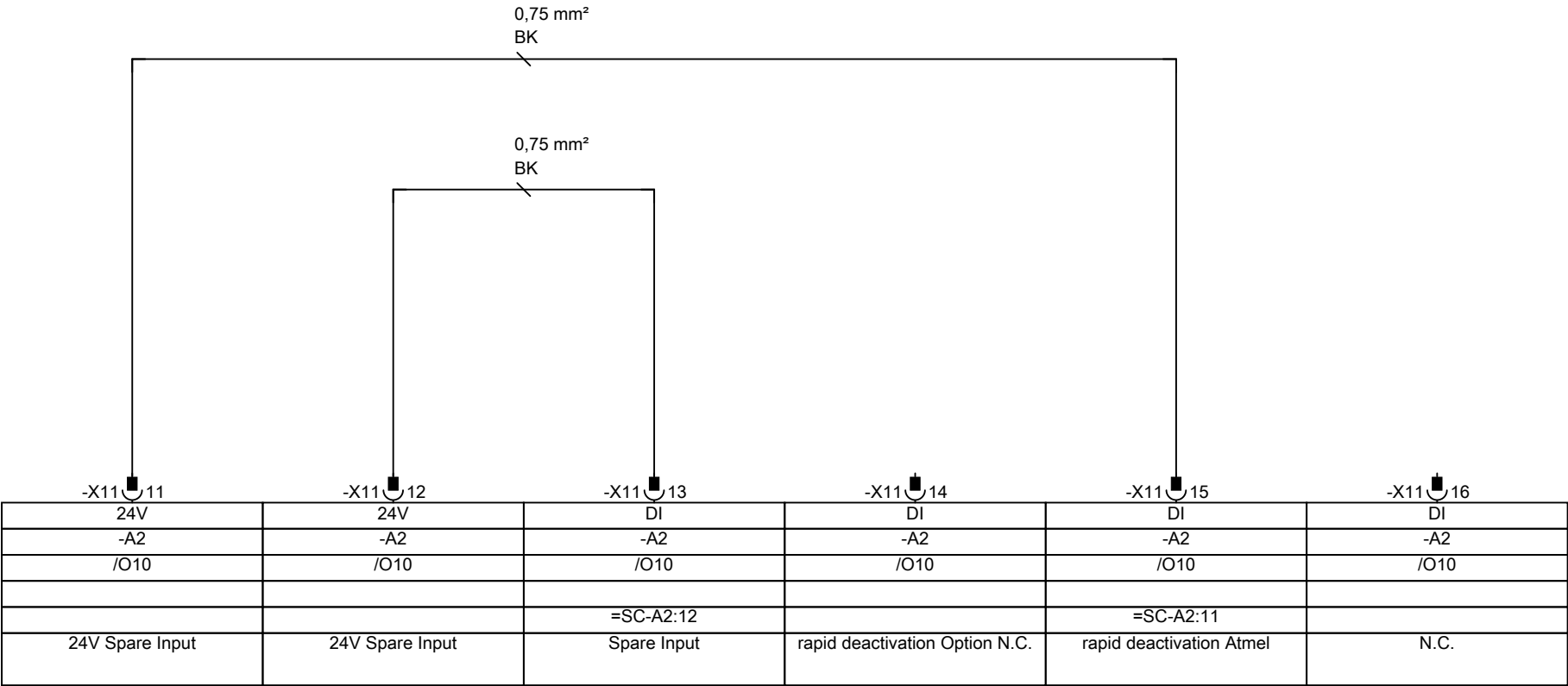
				Standard	
			Date	11.04.2011	Sunny Central 720-CP-10
			Author	R.Branz	
			Checked	J.Bader	
Modification	Date	Name	Origin	Replacement of	Replaced by
			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0		
			Control General SC20CAIO.GR1		
			SC-720-CP-10:A		
			SC-720-CP-10		
			SC-720-CP-10-CEN110910		
			M15		



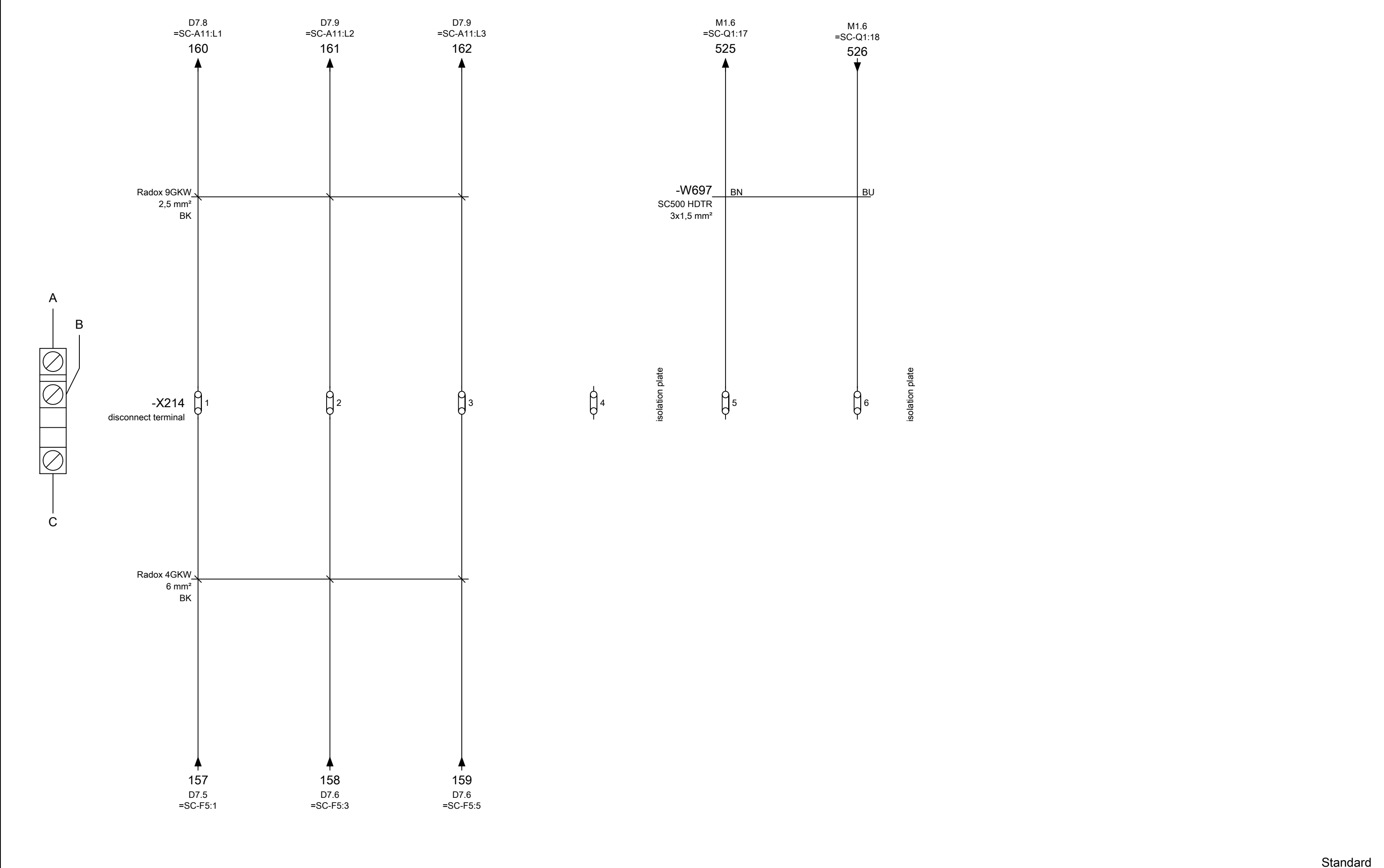
1	2	3	4	5	6	7	8	9	10
=SC									
-X726 = Triggering Relay=14_4-K26									



1	2	3	4	5	6	7	8	9	10
=SC									

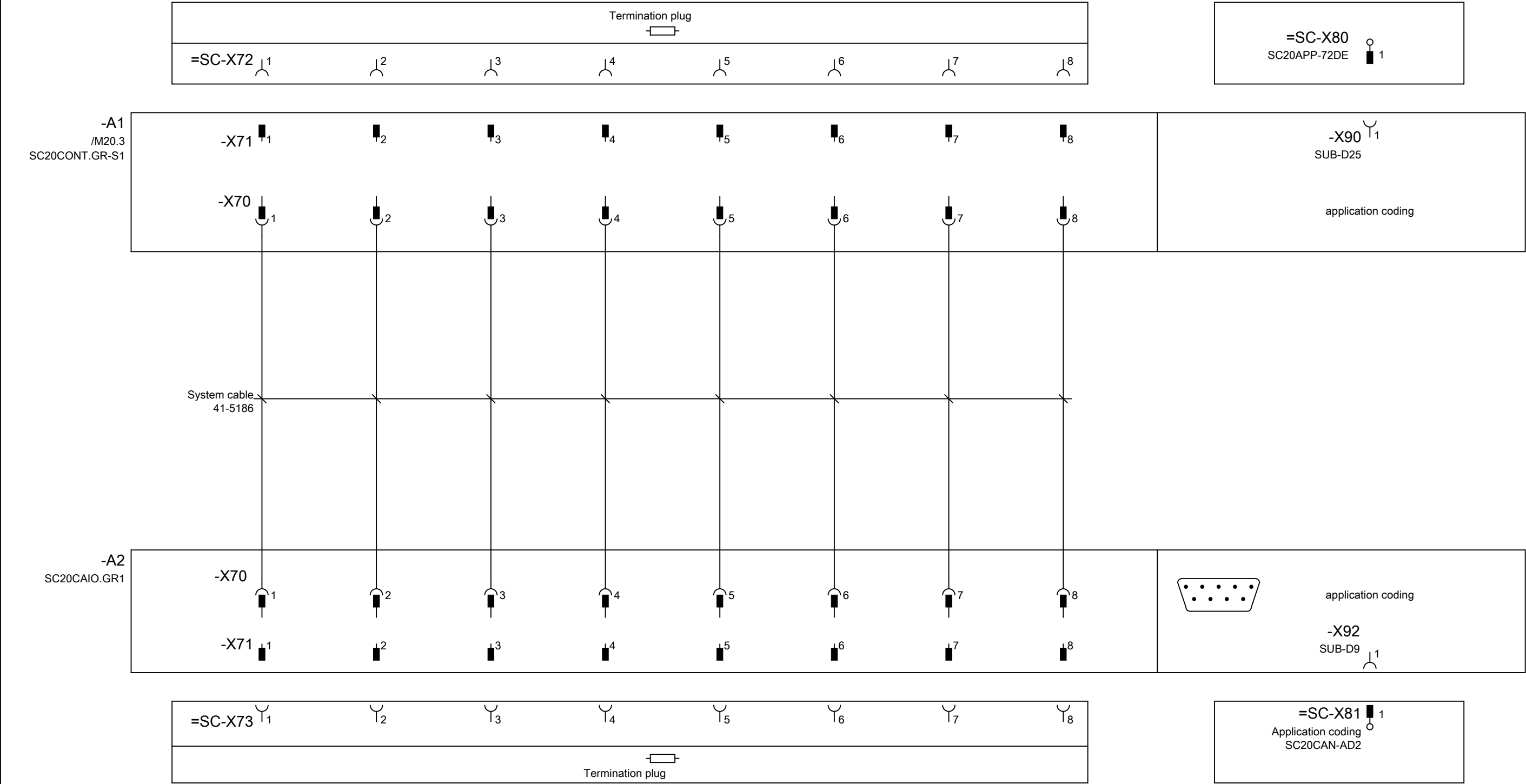


1	2	3	4	5	6	7	8	9	10
=SC	voltage measurement	voltage measurement	voltage measurement	Spare	Grid contactor	Grid contactor			
	transformer voltage	transformer voltage	transformer voltage		closed	closed			
	-X214 = disconnect terminal								

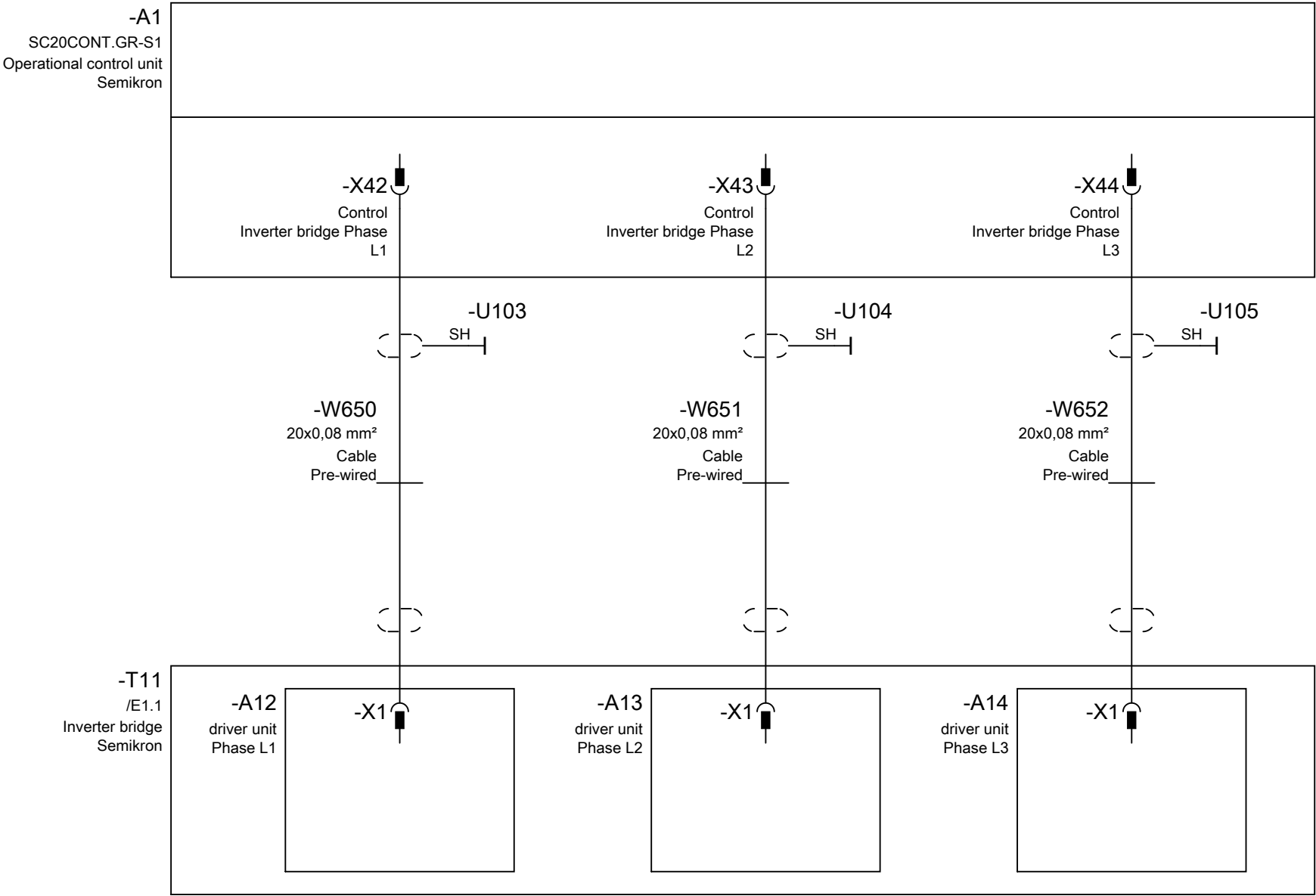


				Sunny Central 720-CP-10		SMA Solar Technology AG		grid voltage monitoring testing terminal strip		SC-720-CP-10:A		SC-720-CP-10		Standard	
				Date	07.04.2011			D-34266 Niestetal +49 (0)561 - 9522 - 0				SC-720-CP-10-CEN110910		M18	
				Author	R.Branz										
				Checked	J.Bader										
Modification	Date	Name	Origin	Replacement of		Replaced by									

1	2	3	4	5	6	7	8	9	10
=SC	-A1-X70 = CAN BUS System			-A2-X70 = CAN BUS System			-X80 = SC20APP-72DE		-X81 = SC20CAN-AD2
	-A1-X71 = Termination			-A2-X71 = Termination			-A1-X90 = Application coding		
	-X72 = application coding A1-X71			-X73 = application coding A2-X71			-A2-X92 = application coding		

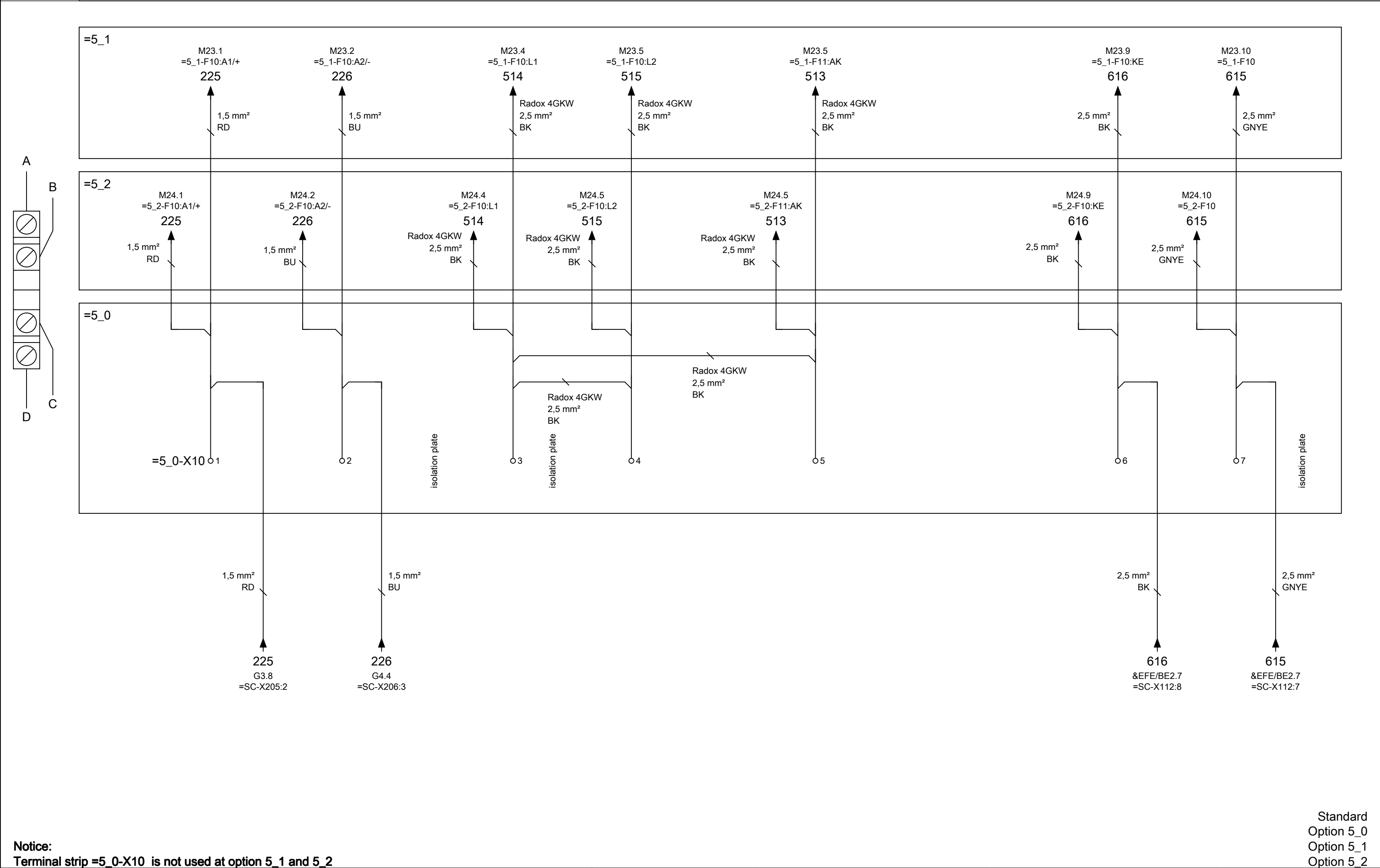


1	2	3	4	5	6	7	8	9	10
=SC	Phase L1								
	Phase L2								
	Phase L3								



Standard														
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div>SMA</div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Control Inverter bridge	SC-720-CP-10:A		SC-720-CP-10 &EFS			
			Author	R.Branz							M20			
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910				

1	2	3	4	5	6	7	8	9	10
=SC		=5_0-X10 = Insulation monitoring Option 10_0							



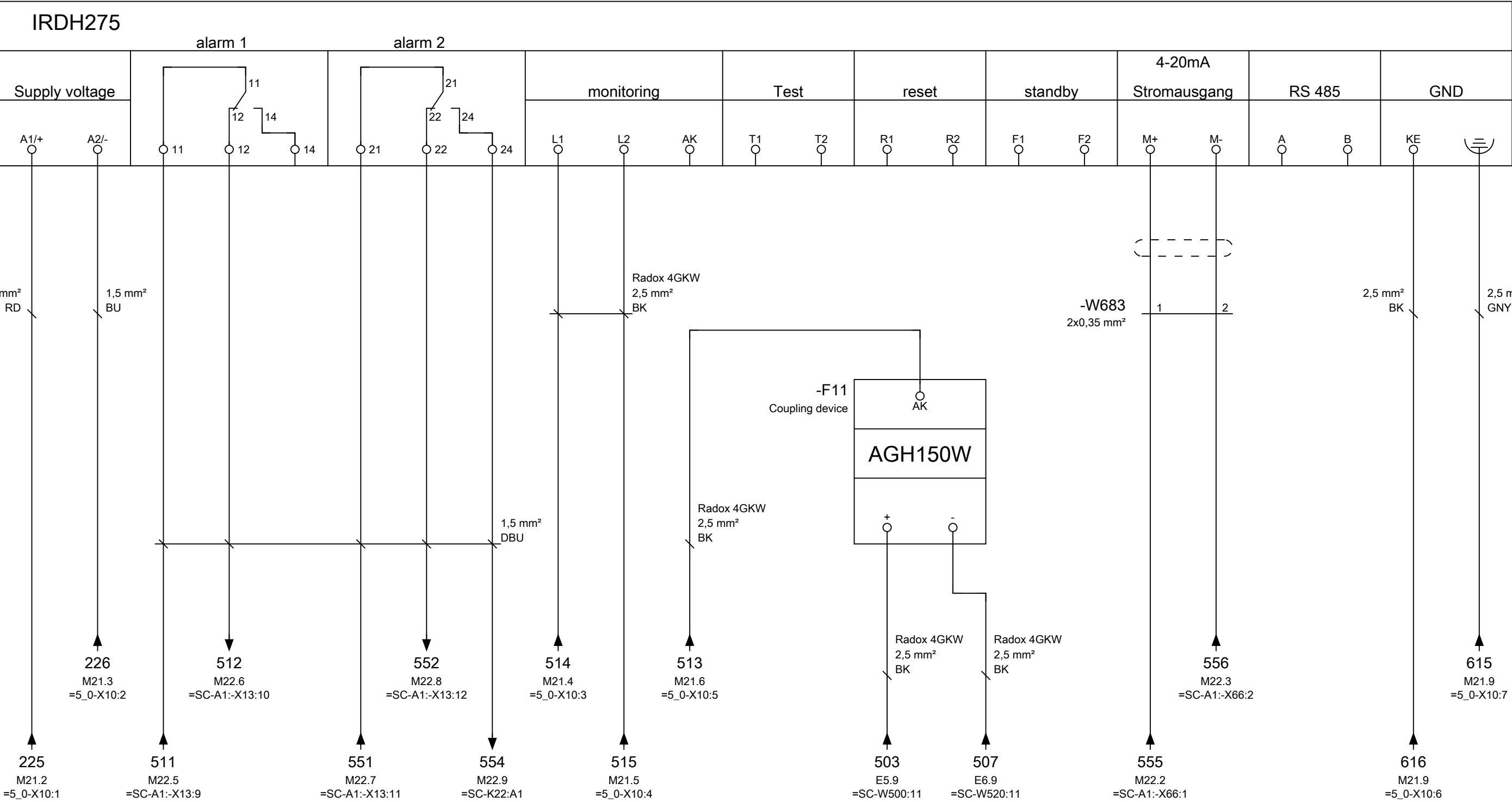
**Notice:**  
Terminal strip =5\_0-X10 is not used at option 5\_1 and 5\_2

			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Control Insulation monitoring	SC-720-CP-10:A		SC-720-CP-10		&EFS
			Author	R.Branz								M21		
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910				



1	2	3	4	5	6	7	8	9	10
=5_1									
Insulation monitoring									

-F10  
Insulation monitoring

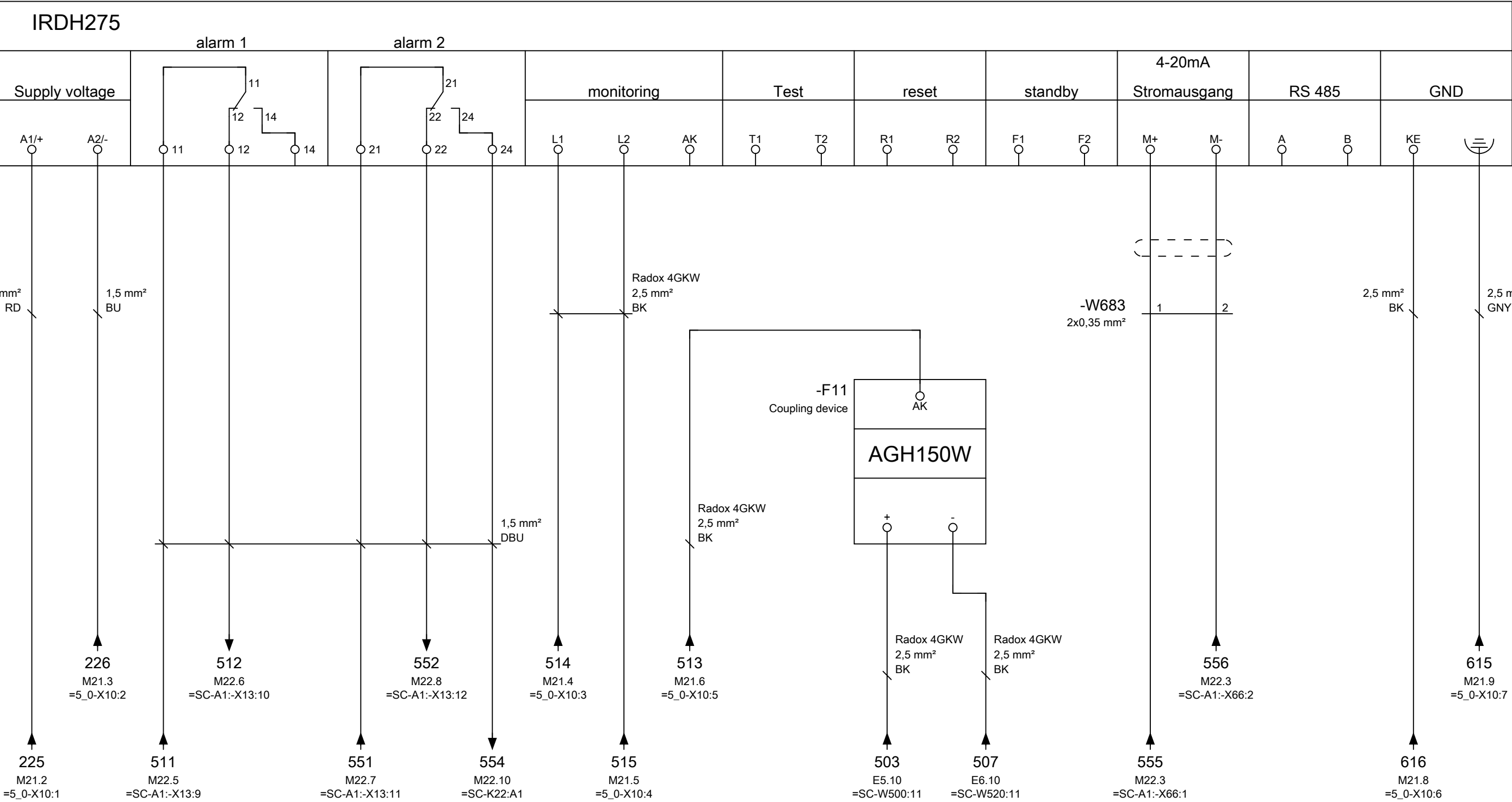


			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Control Insulation monitoring	SC-720-CP-10:A		SC-720-CP-10		&EFS	
			Author	R.Branz										M23	
			Checked	J.Bader											
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910				



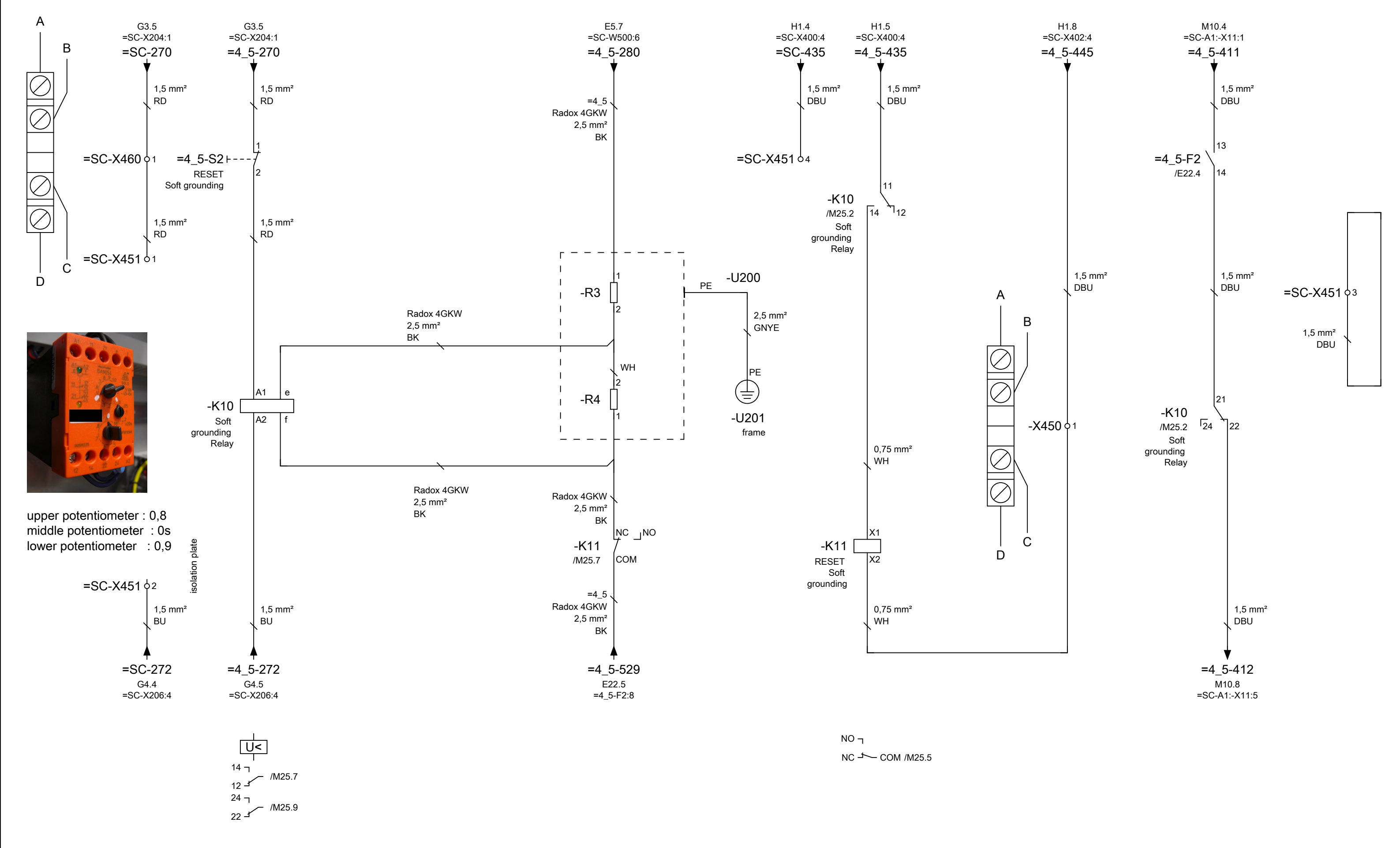
1	2	3	4	5	6	7	8	9	10
=5_2									
Insulation monitoring									


-F10  
Insulation monitoring



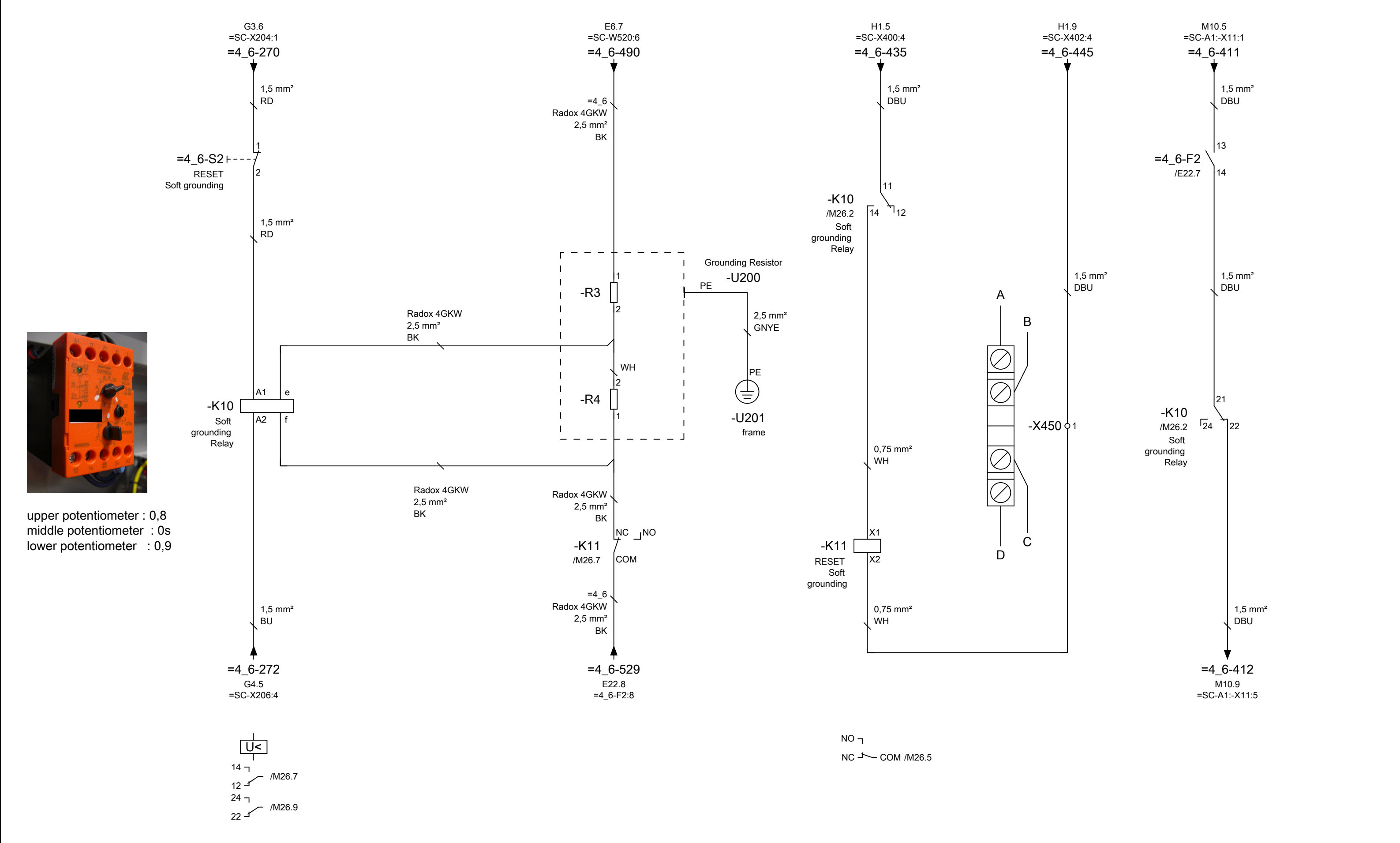
			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Control Insulation monitoring	SC-720-CP-10:A		SC-720-CP-10	&EFS	
			Author	R.Branz										M24
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by						SC-720-CP-10-CEN110910		


1	2	3	4	5	6	7	8	9	10
=4_5	RESET Softgrounding			Option 4_5		RESET		Feedback	
	=SC-X460 = Reset Softgrounding			Softgrounding		Soft			
	=SC-X451 = Softgrounding voltage relay			Plus grounded		grounding		-X450 = Softgrounding	



										Standard Option 4_5				
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div> <div>SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0</div>		Control Softgrounding 4_5		SC-720-CP-10:A		SC-720-CP-10		&EFS	
			Author	R.Branz									M25	
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by			SC-720-CP-10-CEN110910					

1	2	3	4	5	6	7	8	9	10
=4_6	RESET Softgrounding			Option 4_6		RESET		Feedback	
				Softgrounding		Soft			
				Minus grounded		grounding		-X450 = Softgrounding	



										Standard Option 4_6			
			Date	07.04.2011	Sunny Central 720-CP-10		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Control Softgrounding 4_6	SC-720-CP-10:A		SC-720-CP-10	&EFS	
			Author	R.Branz								M26	
			Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by			SC-720-CP-10-CEN110910				

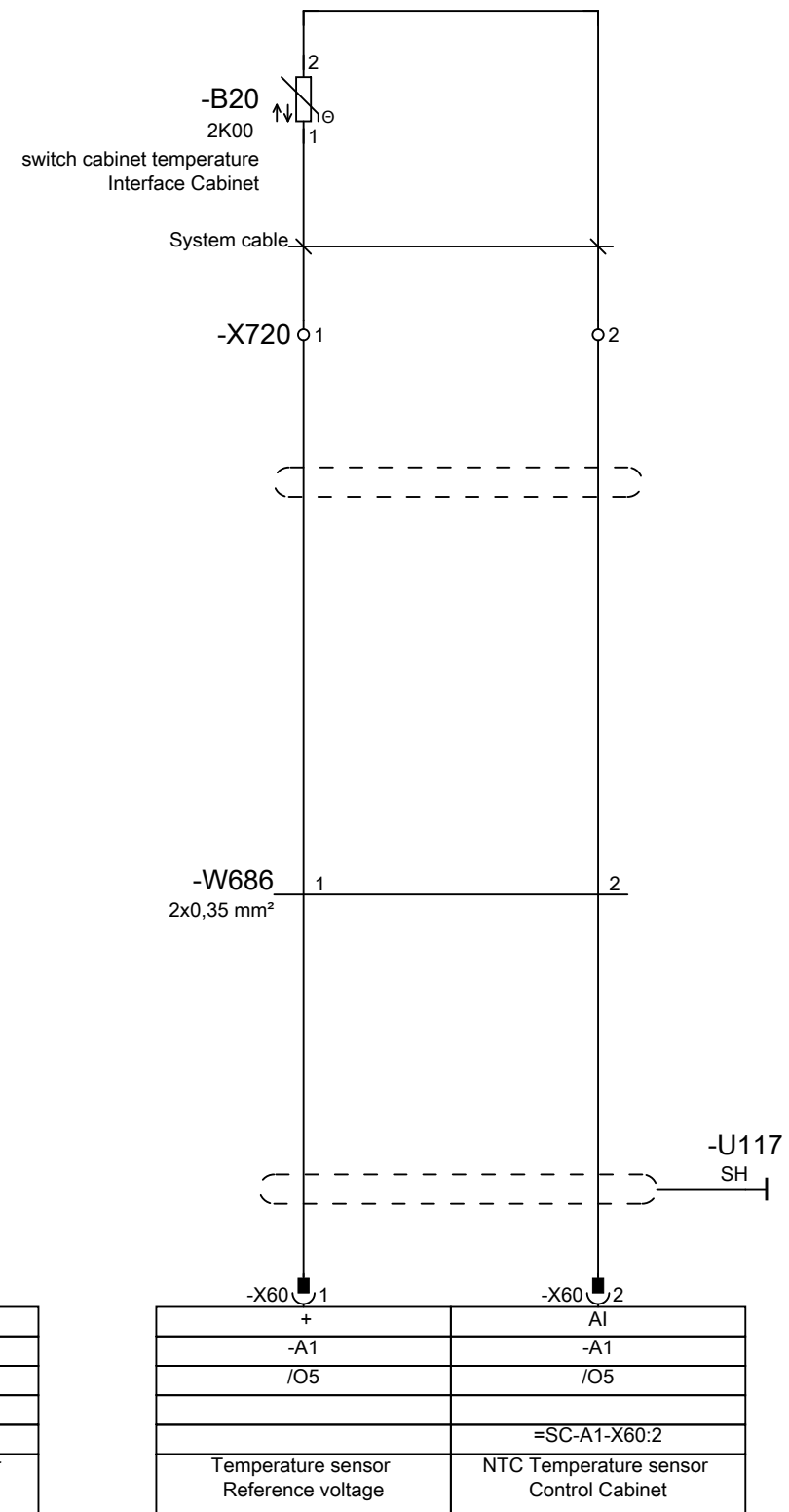
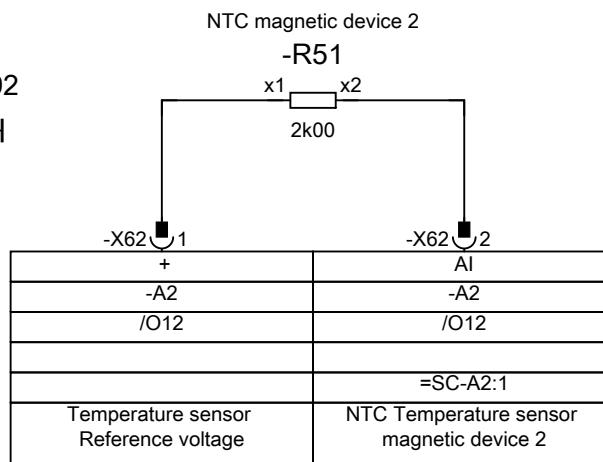
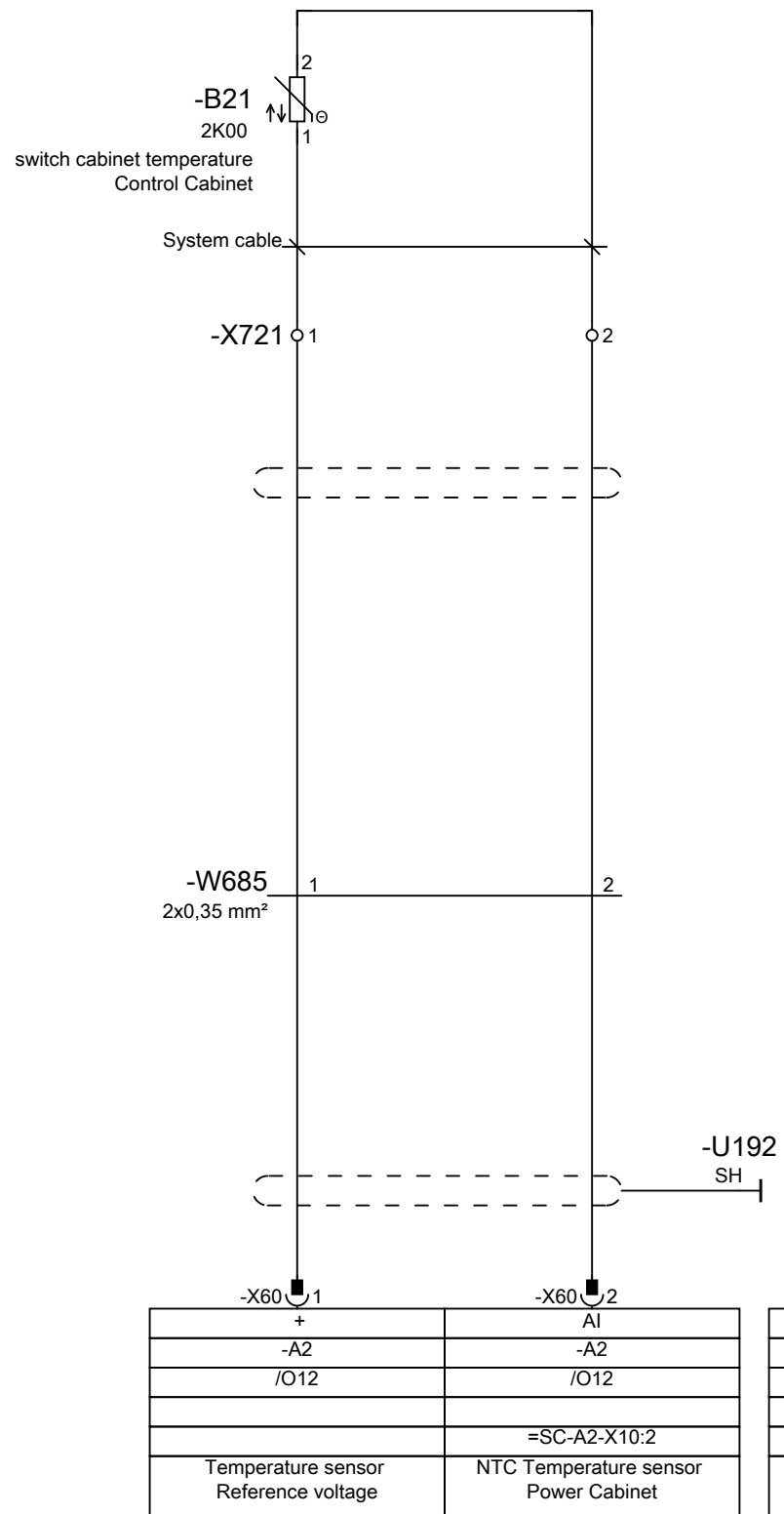
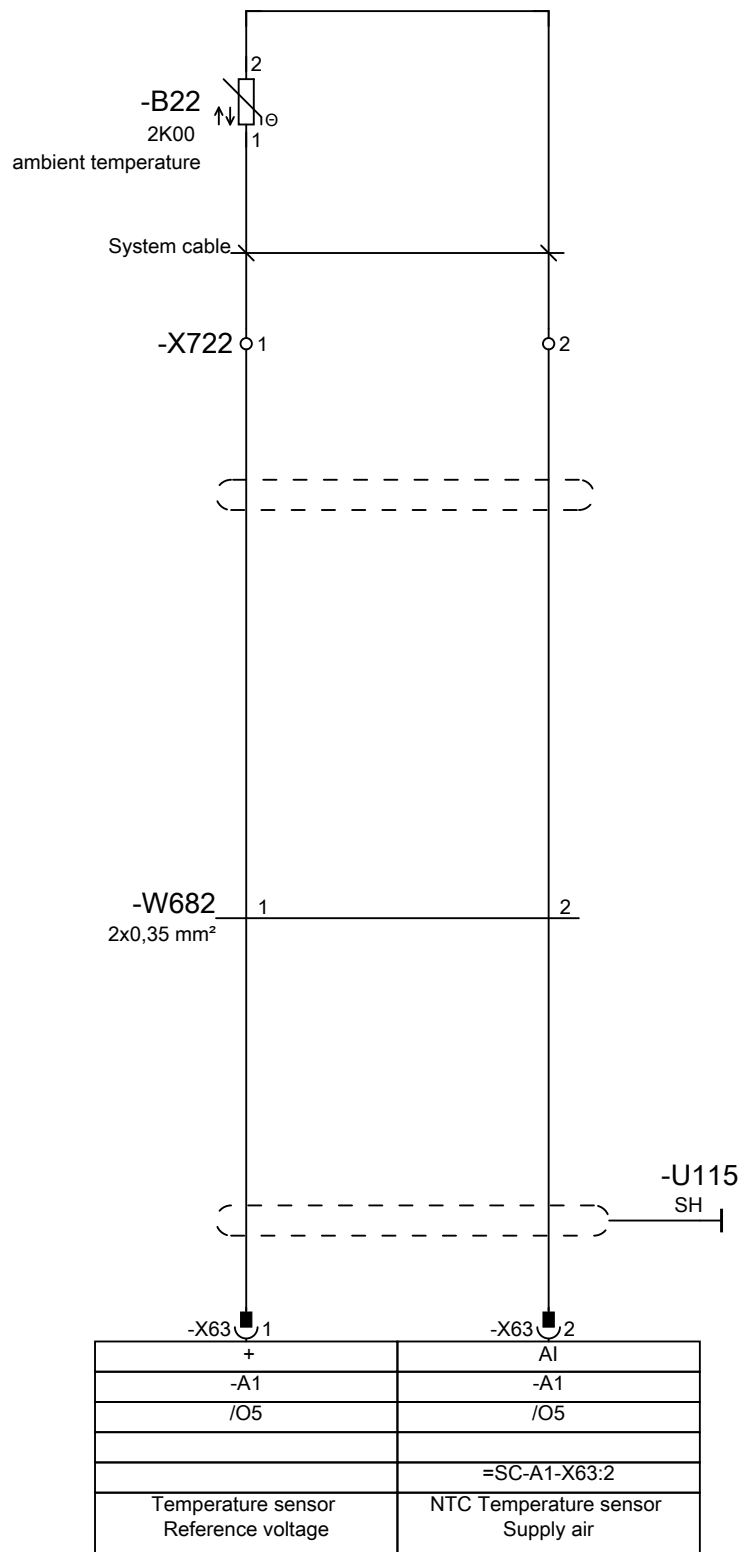
1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

=SC

-X722 = Temperature sensor ambient temperature

-X721 = Temperature sensor Power Cabinet

-X720 = Temperature sensor Control Cabinet



			Date	11.04.2011	<div>Sunny Central 720-CP-10</div> <div></div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Control Insulation monitoring	SC-720-CP-10:A		SC-720-CP-10	&EFS
			Author	R.Branz					M28			
			Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by			SC-720-CP-10-CEN110910			

1	2	3	4	5	6	7	8	9	10
=SC		=SC-X750 = Remote Deactivation Unit Start/Stop External						=SC-X751 = Input Protection transformer	

24V digital IN Electrically isolated	Remote Deactivation Unit Start/Stop External =SC-S
/O2	/O2
-A1	-A1
24V	DI

-X152

-X153

-X1518

-W700  
SC500 HDTR  
3x1,5 mm²

BN

BU

-X750  
Remote Deactivation Unit

1

2

24V

GND

24V : Operating  
0 : Stop  
  
Function can be abled  
by Parameter " ExlStrStpEna"

-S+

+24V

GND

Not included in delivery

Remote Deactivation Unit

1,5 mm²  
BK

-X751  
Input Protection transformer

1

2

230V  
3,2mA

N

-B


Temperature sensor External transformer

230V

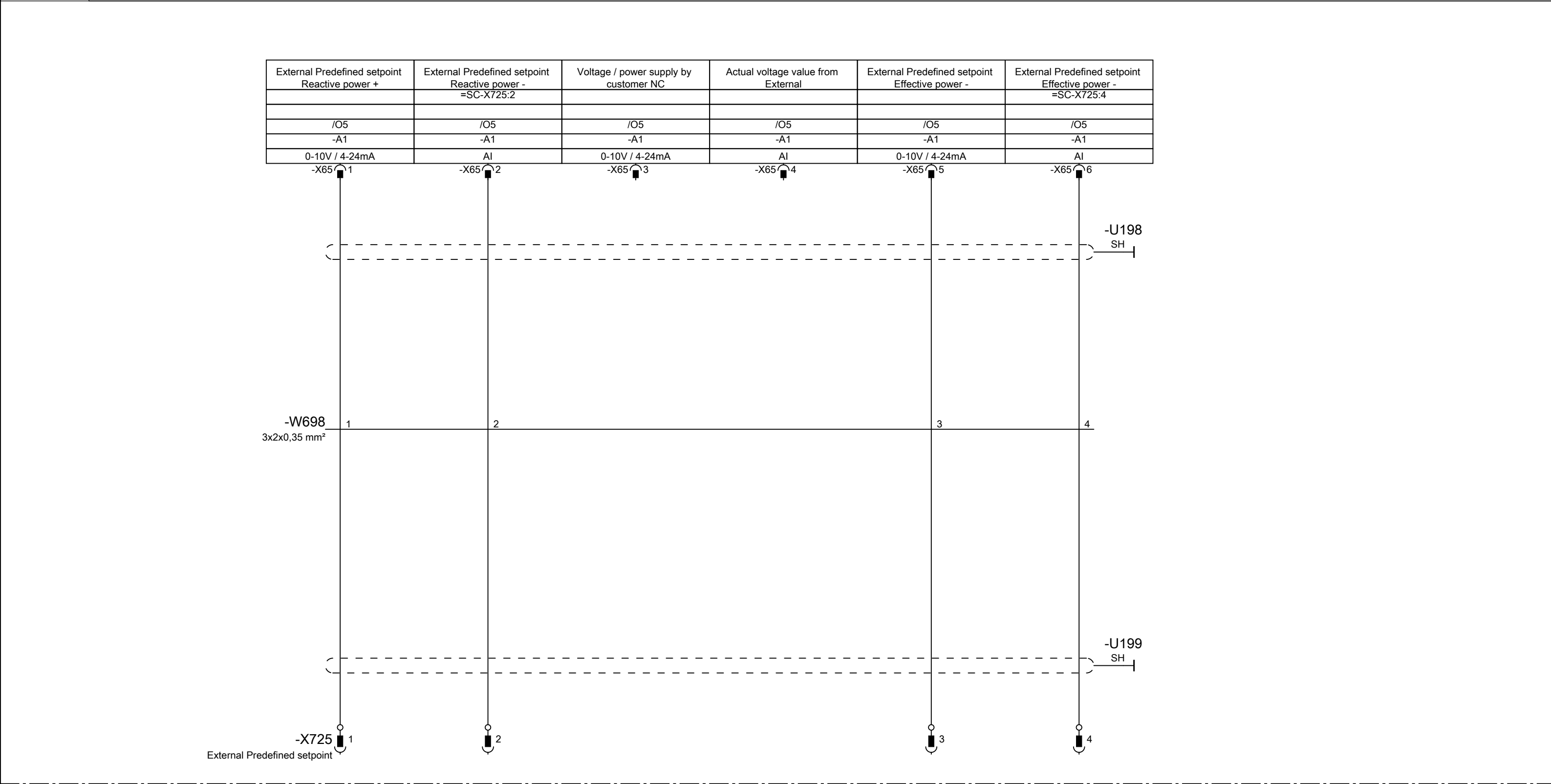
N

230V : Operating  
0V : Stop  
  
Function can be disabled  
by Parameter" ExlTrfErrEna"

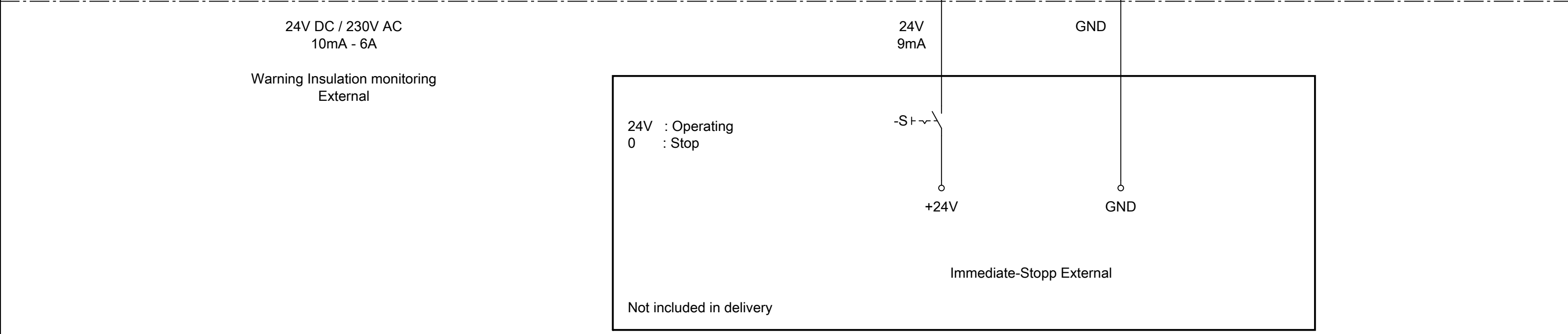
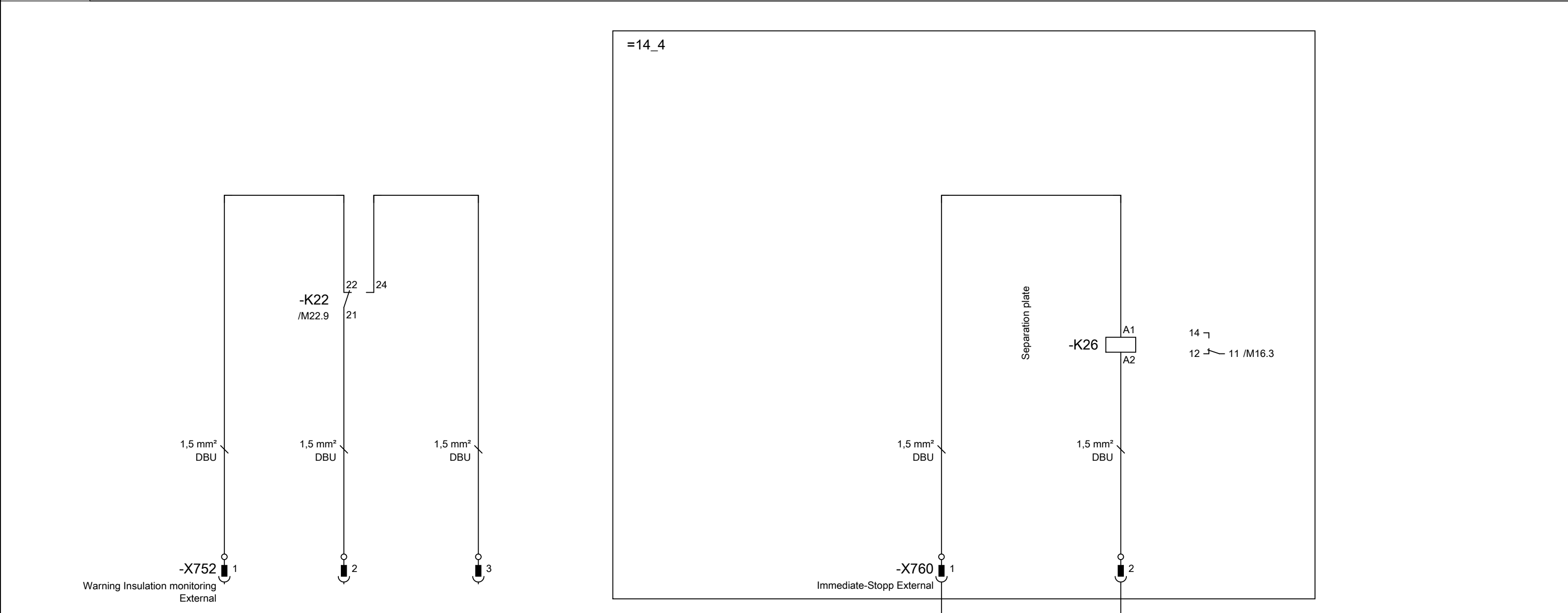
Input Protection transformer


			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	message and Signals External Remote Deactivation Unit , Input Protection transformer	SC-720-CP-10:A		SC-720-CP-10		Standard
			Author	R.Branz										&EFS
			Checked	J.Bader										M29
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910			

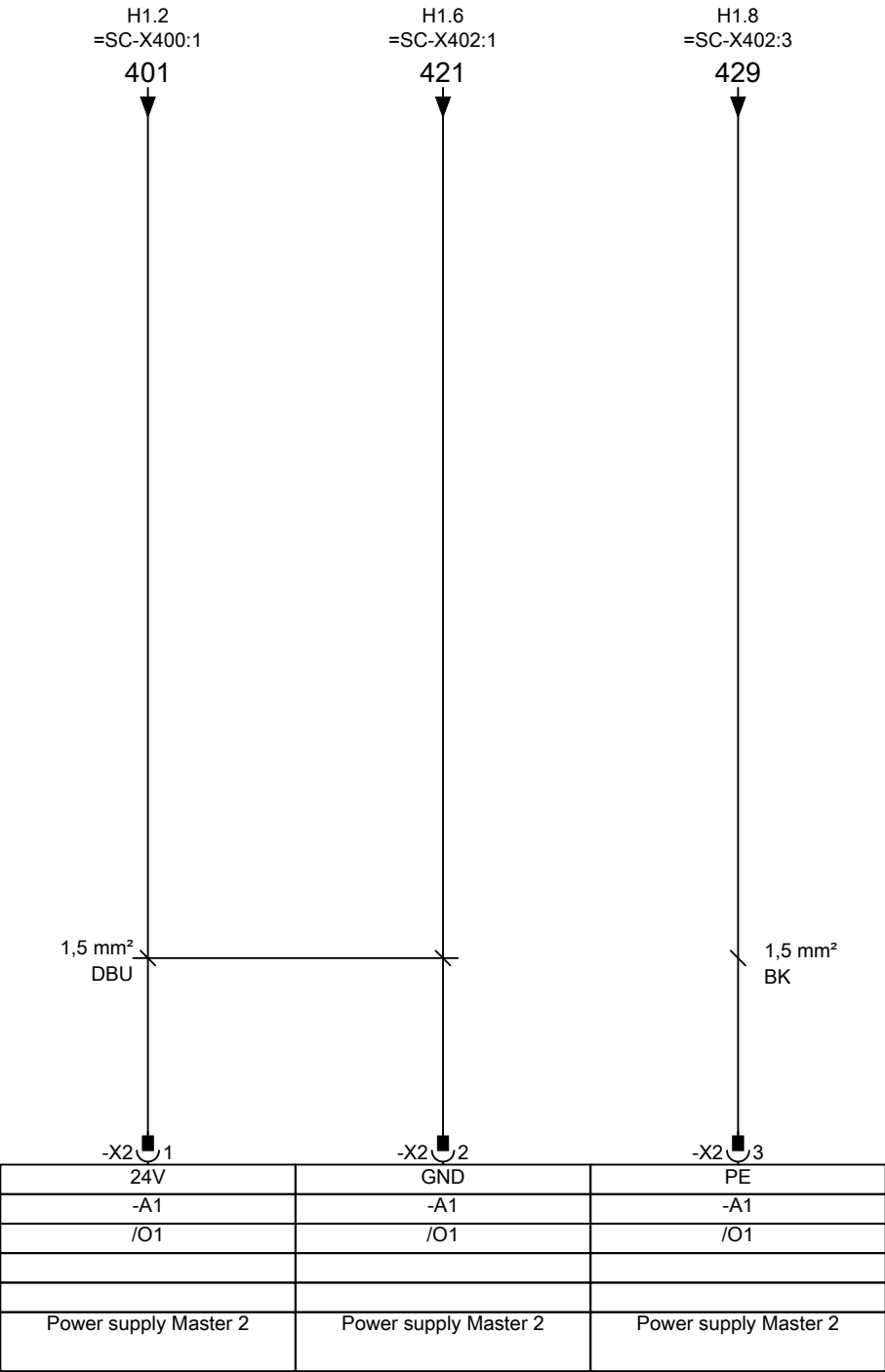
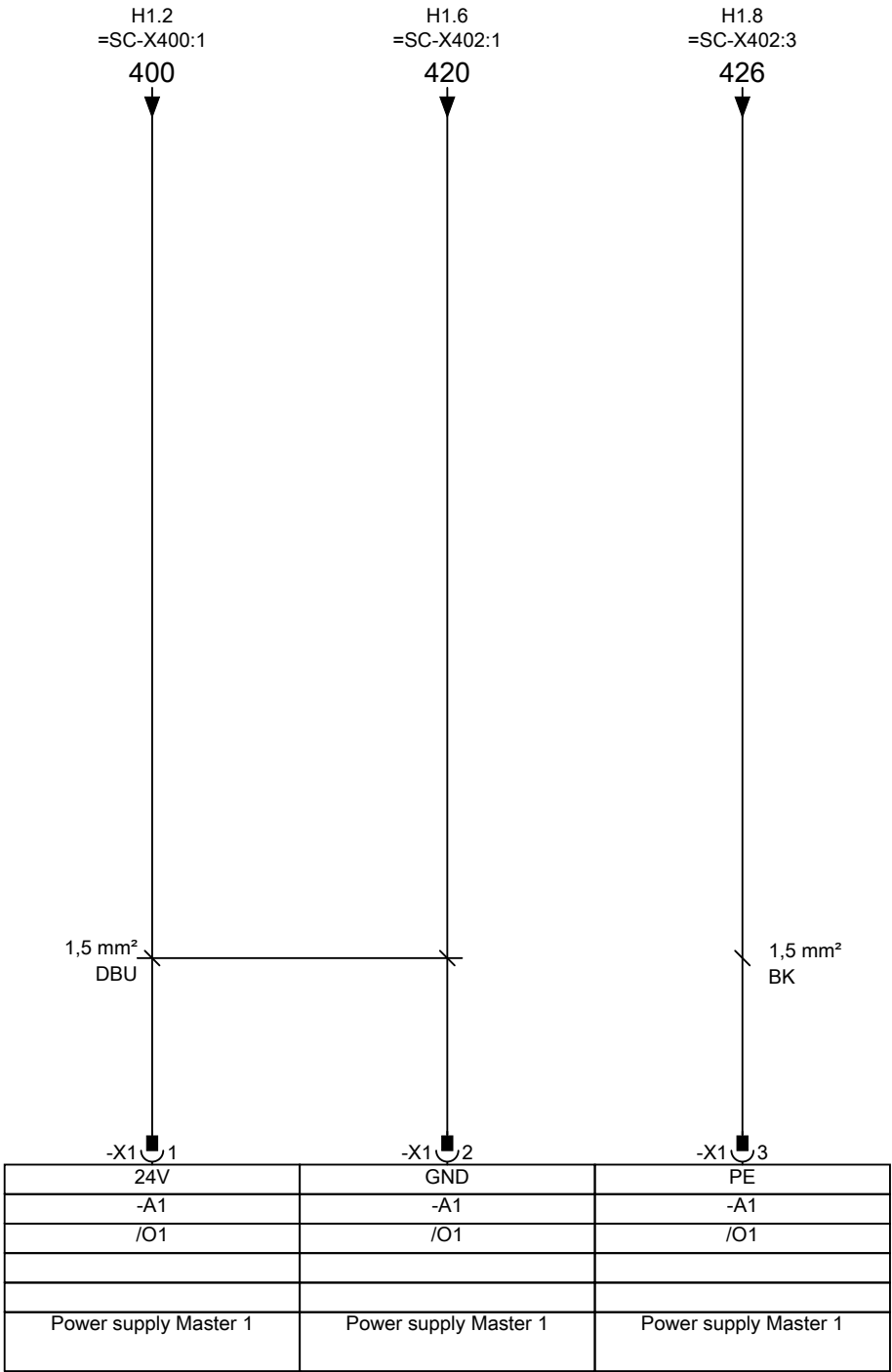
1	2	3	4	5	6	7	8	9	10
=SC	=SC-X725 = External Predefined setpoint Reactive power , Effective power								



1	2	3	4	5	6	7	8	9	10
=SC	=SC-X752 = Warning Insulation monitoring External				=14_4-X760 = Immediate-Stopp External				
	Insulation monitoring		Insulation monitoring						
	ok		nok						

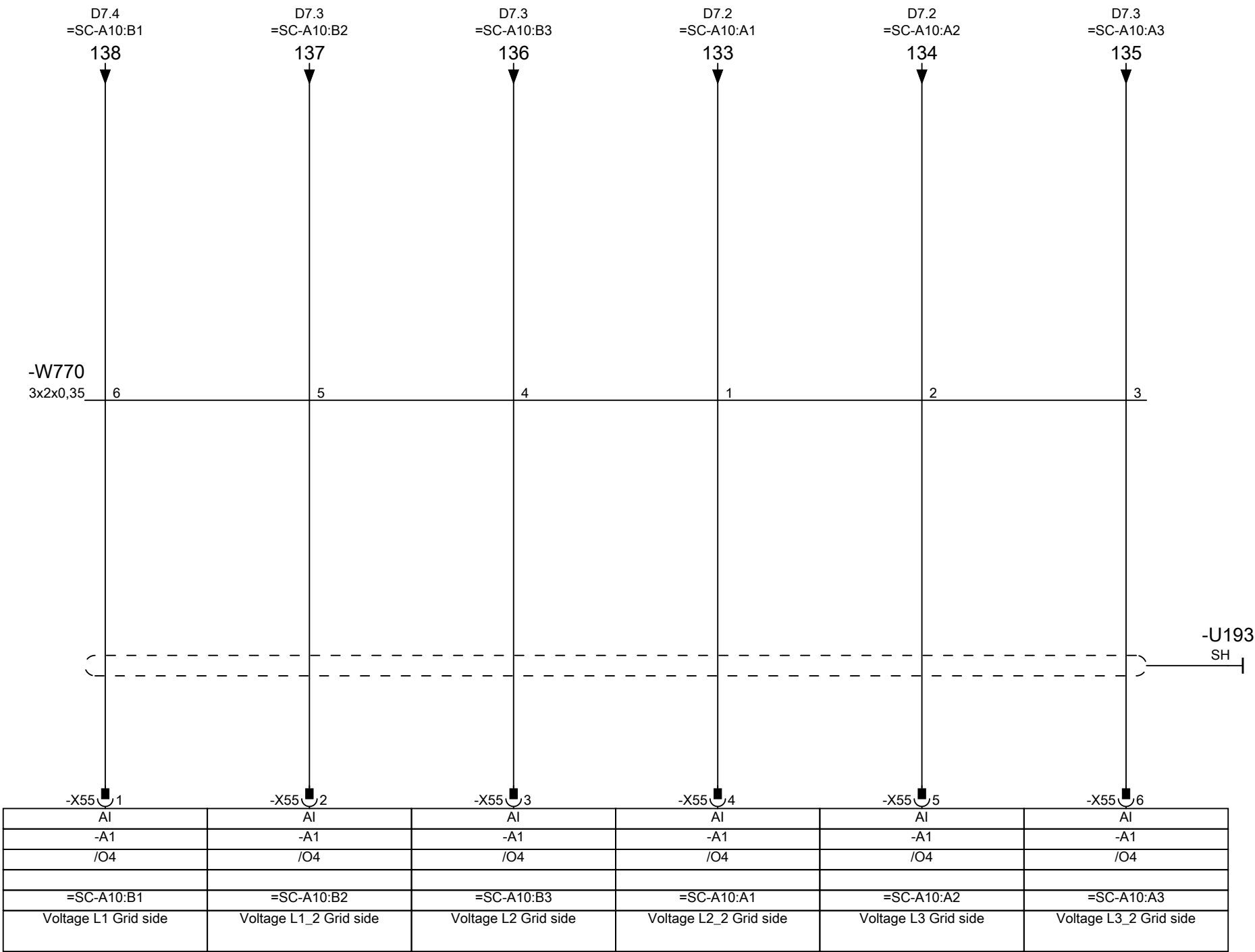


										Standard Option 14_4			
			Date	07.04.2011	Sunny Central 720-CP-10		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	External Warning Insulation monitoring Immediate-Stopp	SC-720-CP-10:A		SC-720-CP-10	&EFS	
			Author	R.Branz								M31	
			Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by			SC-720-CP-10-CEN110910				



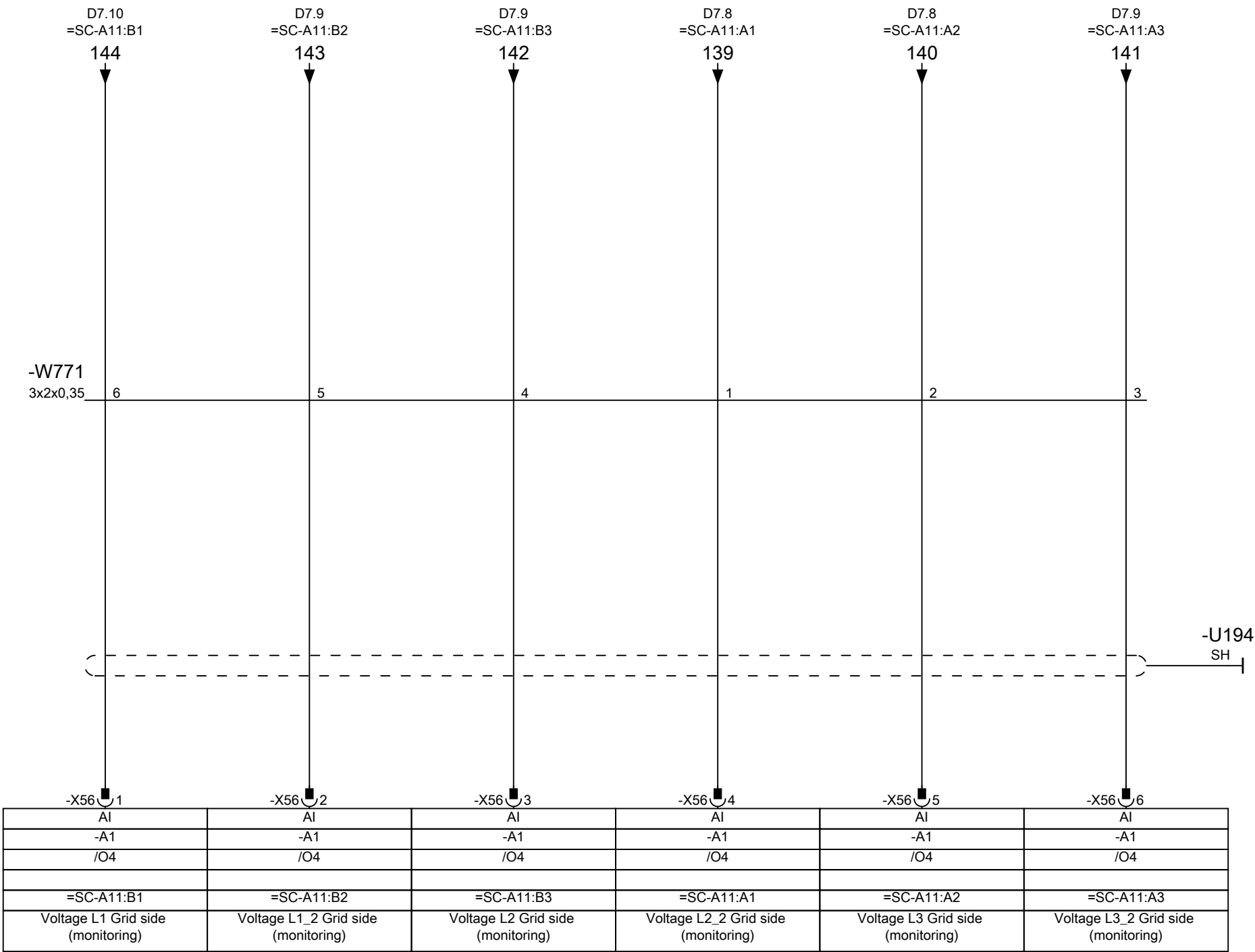


1	2	3	4	5	6	7	8	9	10
=SC	Power supply			Power supply			Power supply		
	BFR			BFR			BFR		
	L1			L2			L3		

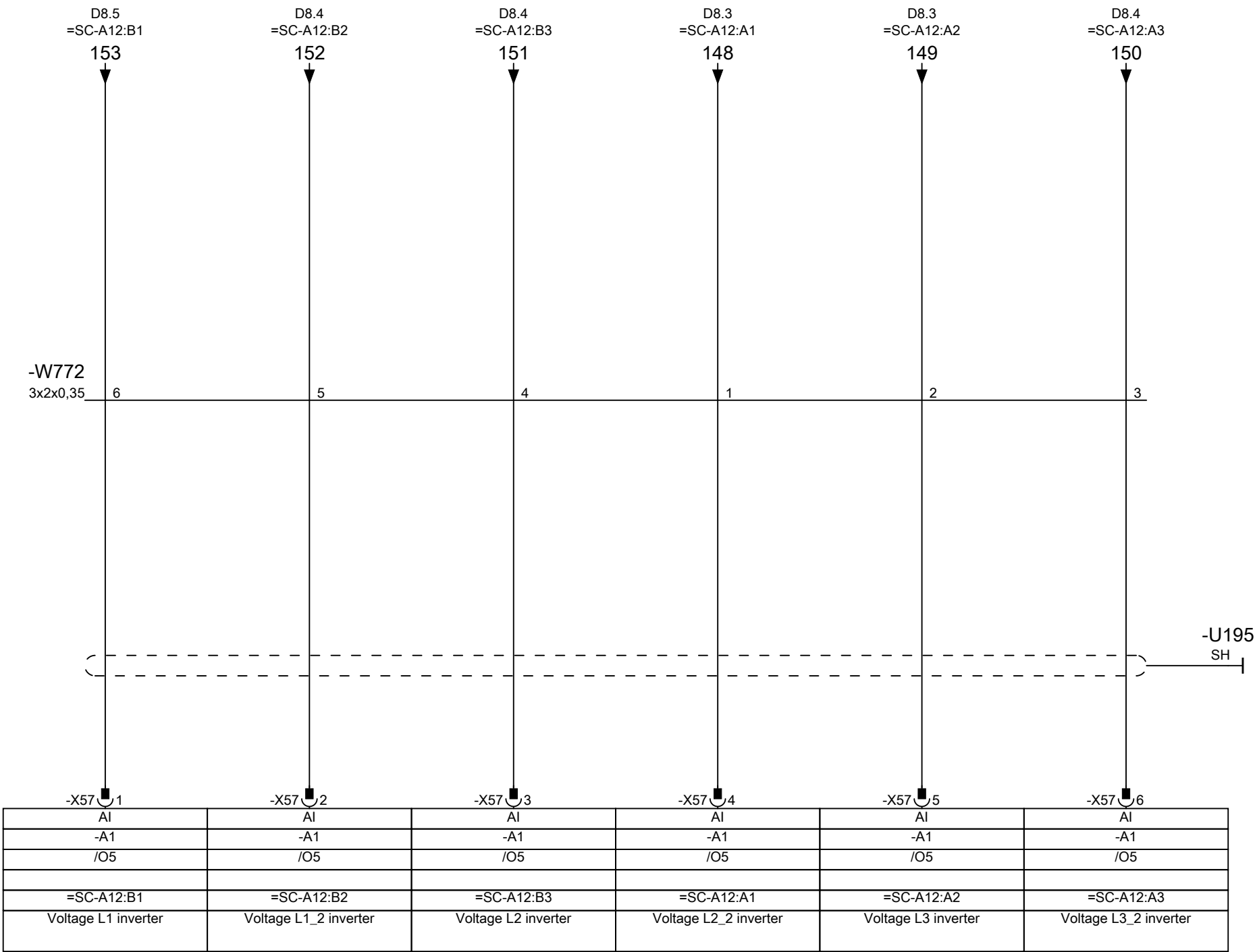


								Standard	
			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG	
			Author	R.Branz				D-34266 Niestetal	
			Checked	J.Bader				+49 (0)561 - 9522 - 0	
Modification	Date	Name	Origin		Replacement of	Replaced by		SC20CONT.GR-S1	
								Voltage L1, L2 and L3	
								Grid side X55	
								SC-720-CP-10:A	
								SC-720-CP-10	
								&EFS	
								N2	
								SC-720-CP-10-CEN110910	

1	2	3	4	5	6	7	8	9	10
=SC	Power supply			Power supply			Power supply		
	DSP			DSP			DSP		
	L1			L2			L3		

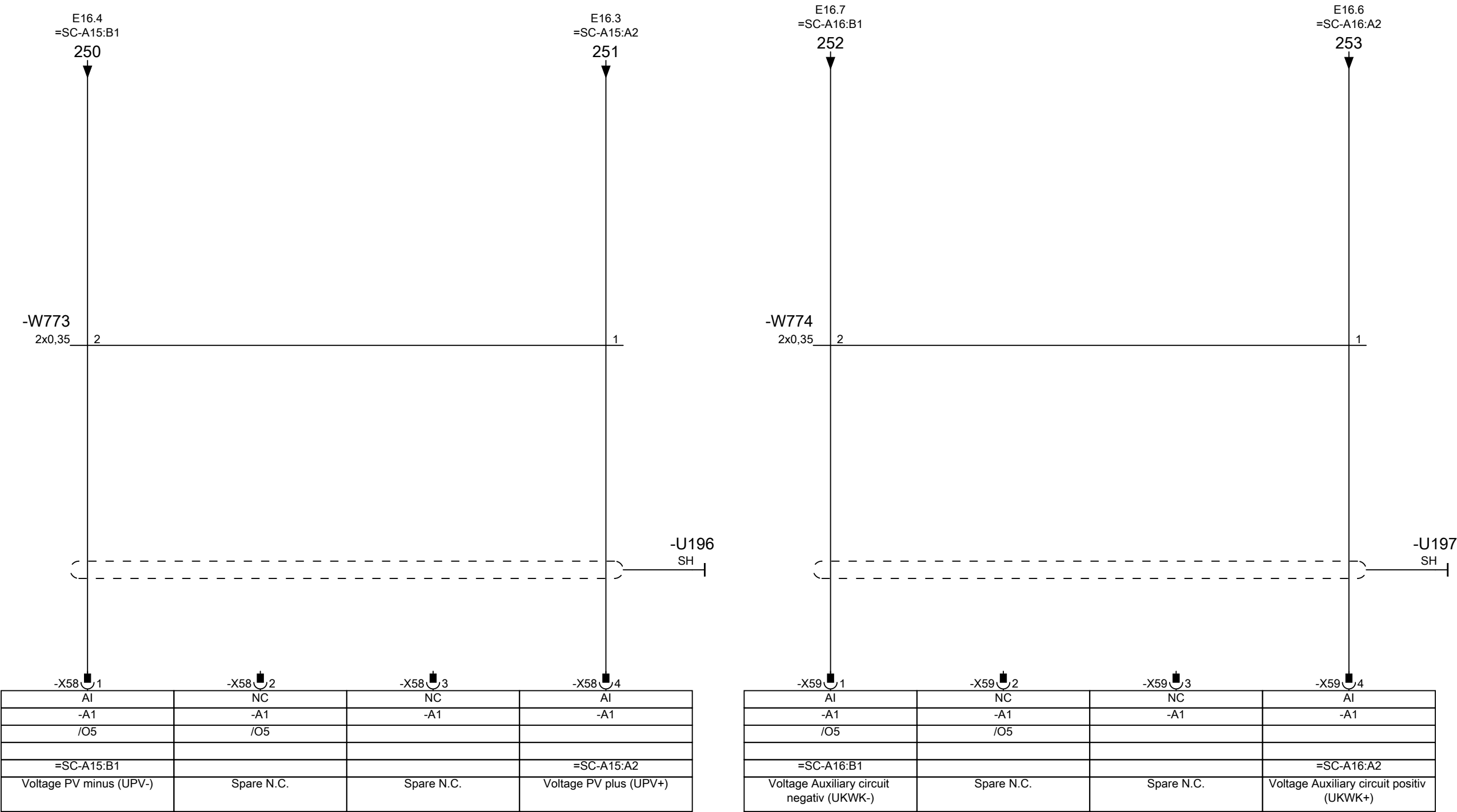


1	2	3	4	5	6	7	8	9	10
=SC	L1			L2			L3		



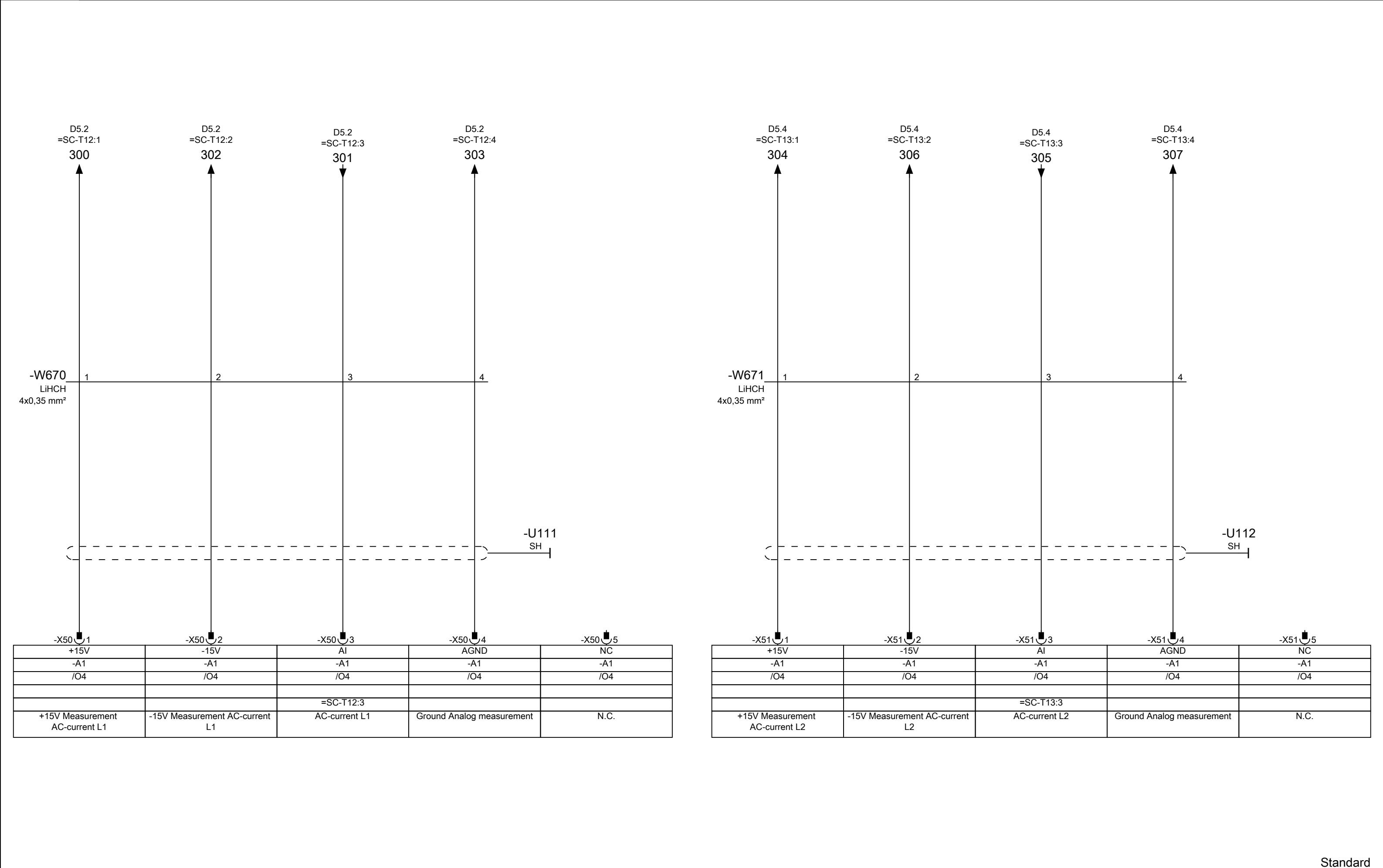
				Sunny Central 720-CP-10		SMA Solar Technology AG		SC20CONT.GR-S1		SC-720-CP-10:A		SC-720-CP-10		Standard	
						D-34266 Niestetal		Voltage L1, L2 and L3						&EFS	
						+49 (0)561 - 9522 - 0		converter X57						N4	
												SC-720-CP-10-CEN110910			
Modification	Date	Name	Origin	Replacement of		Replaced by									
				Date		Author		Checked		Date		Name			
				07.04.2011		R.Branz		J.Bader							

1	2	3	4	5	6	7	8	9	10
=SC	U_PV				U_ZWK				



												Standard		
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div>SMA</div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	SC20CONT.GR-S1 Voltage measurement PV X58 and Auxiliary circuit X59	SC-720-CP-10:A		SC-720-CP-10		&EFS	
			Author	R.Branz									N5	
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910			

1	2	3	4	5	6	7	8	9	10
=SC	Power supply	Power supply	measurement	measurement	Power supply	Power supply	measurement	measurement	
	+15V	-15V	Out	GND	+15V	-15V	Out	GND	



				Standard	
			Date	07.04.2011	Sunny Central 720-CP-10
			Author	R.Branz	SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0
			Checked	J.Bader	
Modification	Date	Name	Origin	Replacement of	Replaced by
				SC20CONT.GR-S1 Measurement AC-current L1 X50 Measurement AC current L2 X51	
				SC-720-CP-10:A	
				SC-720-CP-10	
				SC-720-CP-10-CEN110910	
				&EFS N6	





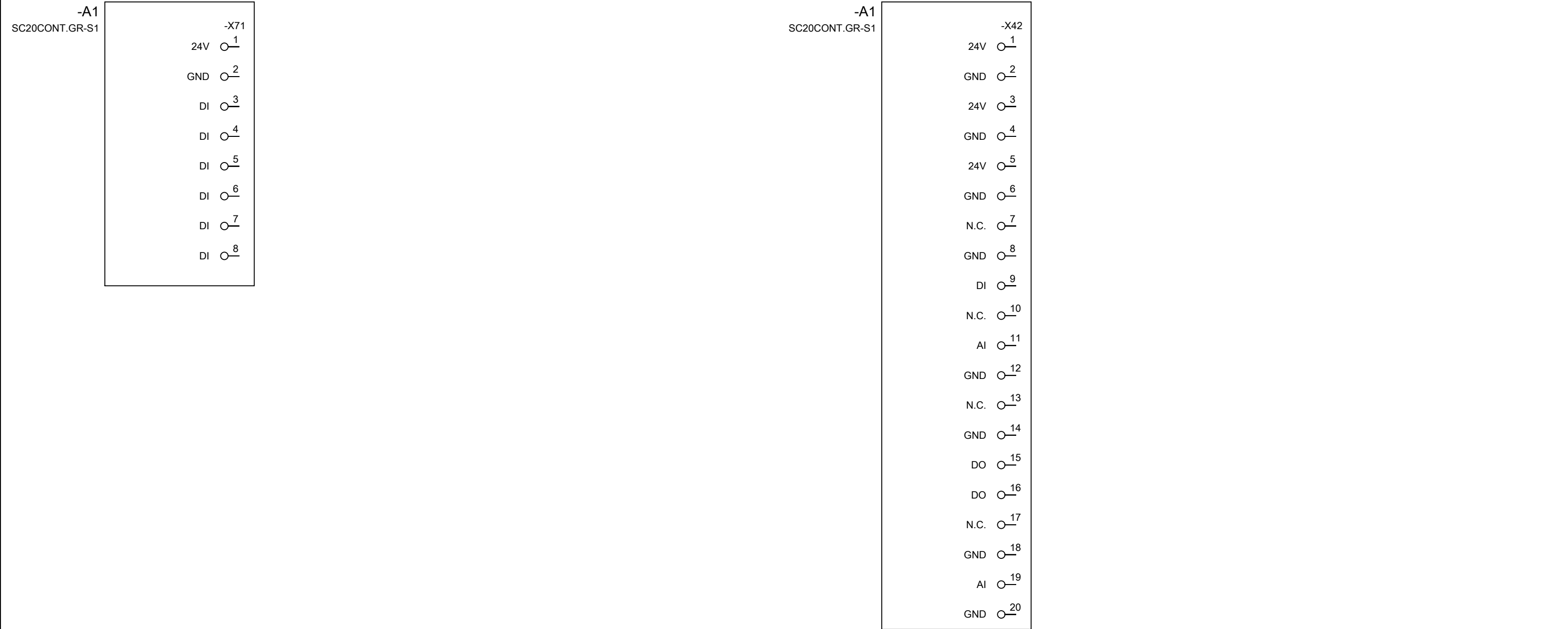


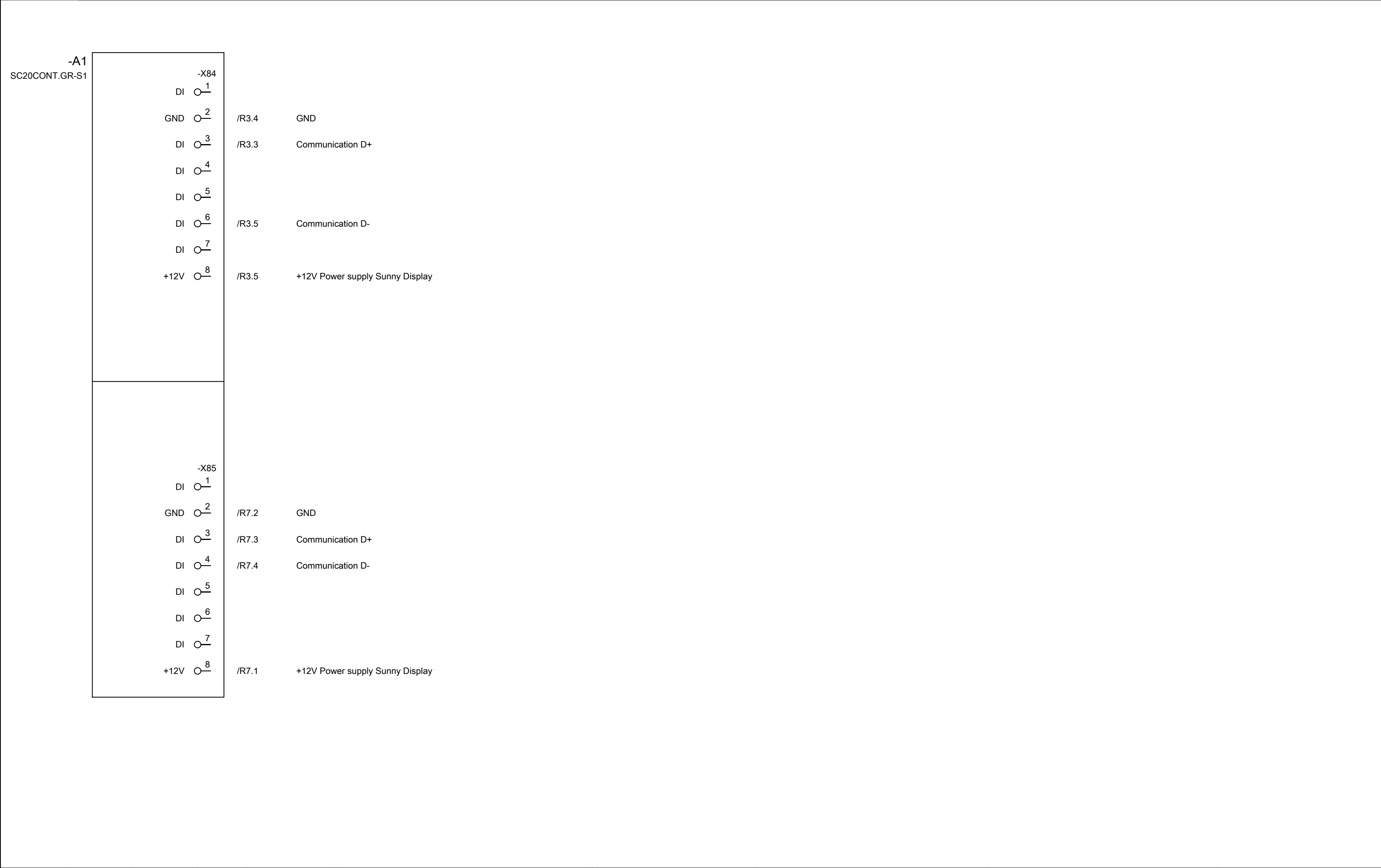


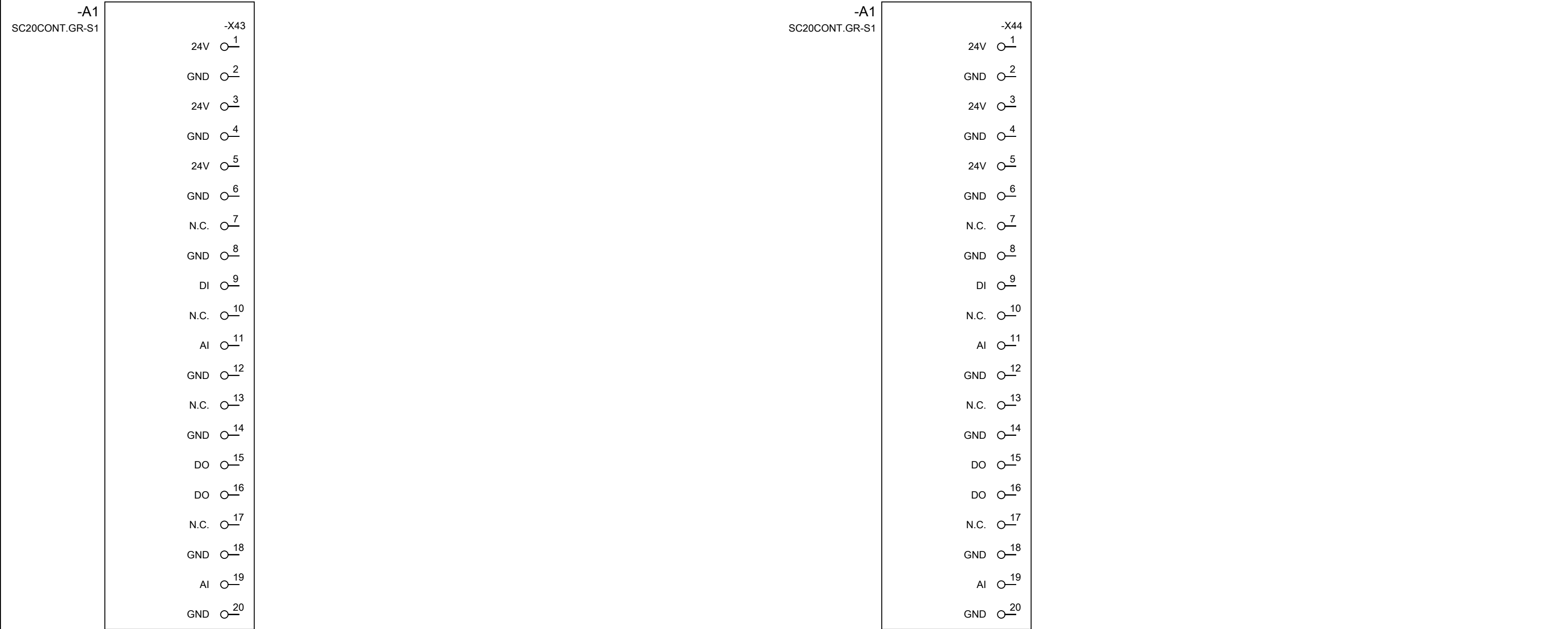


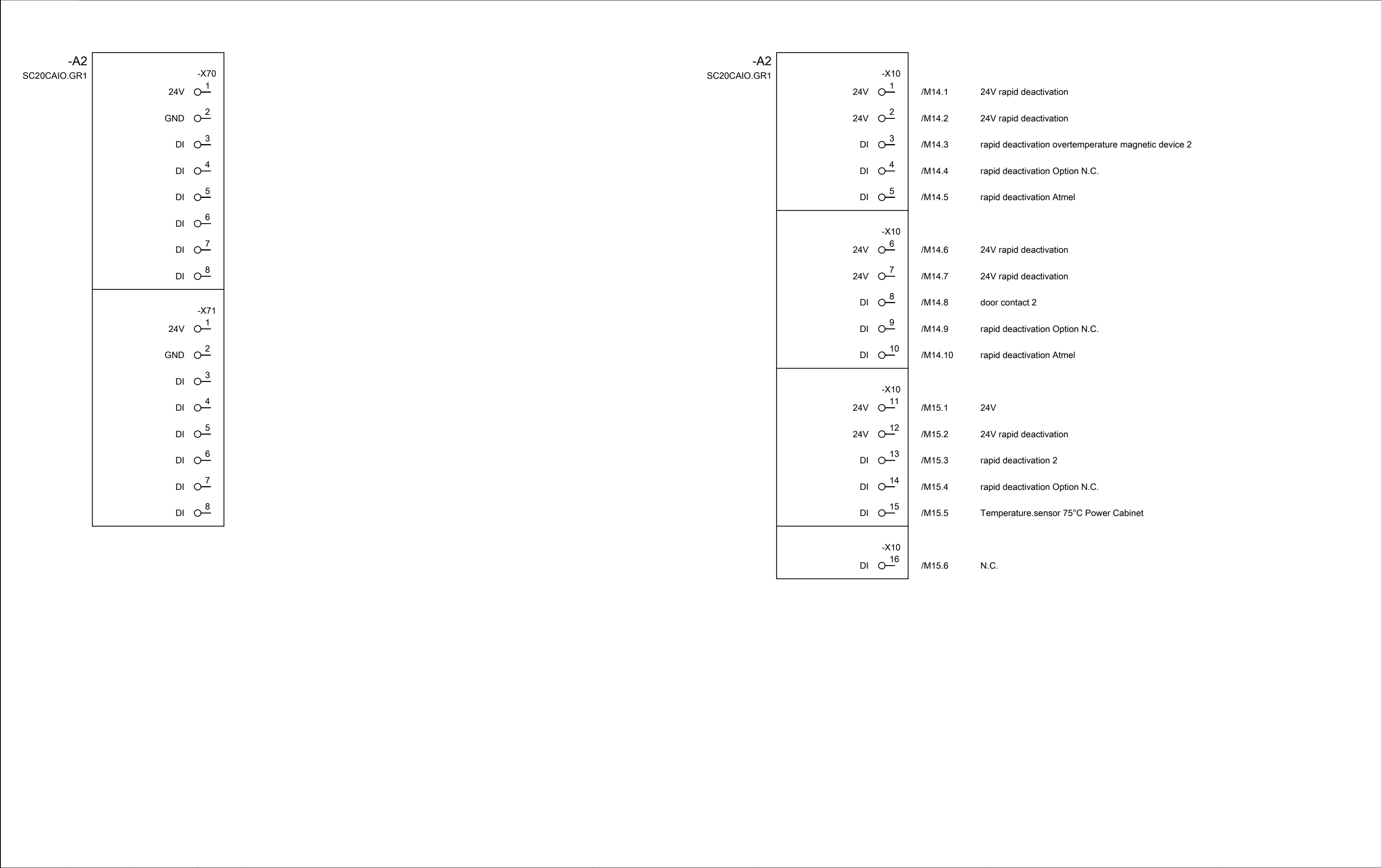










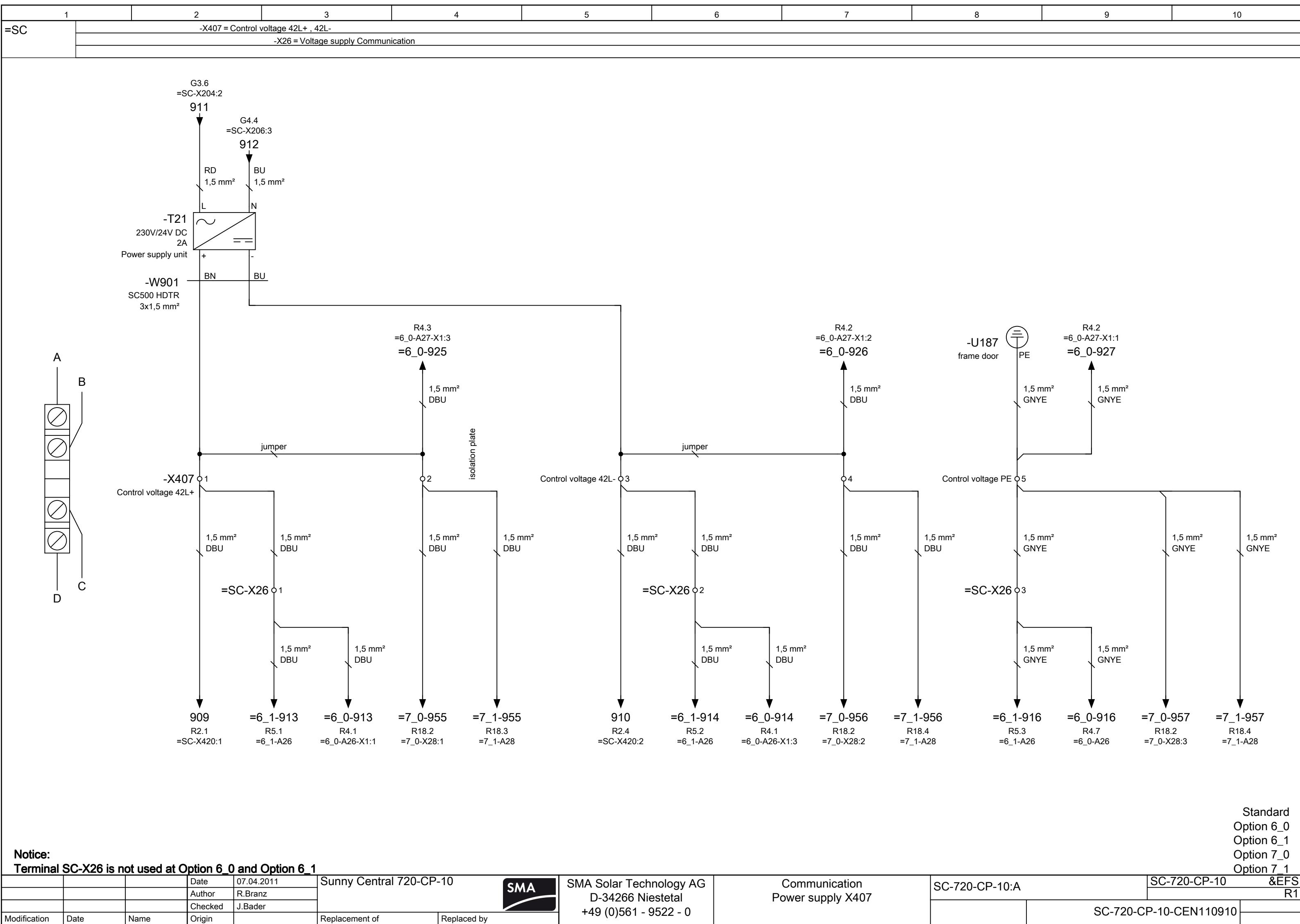


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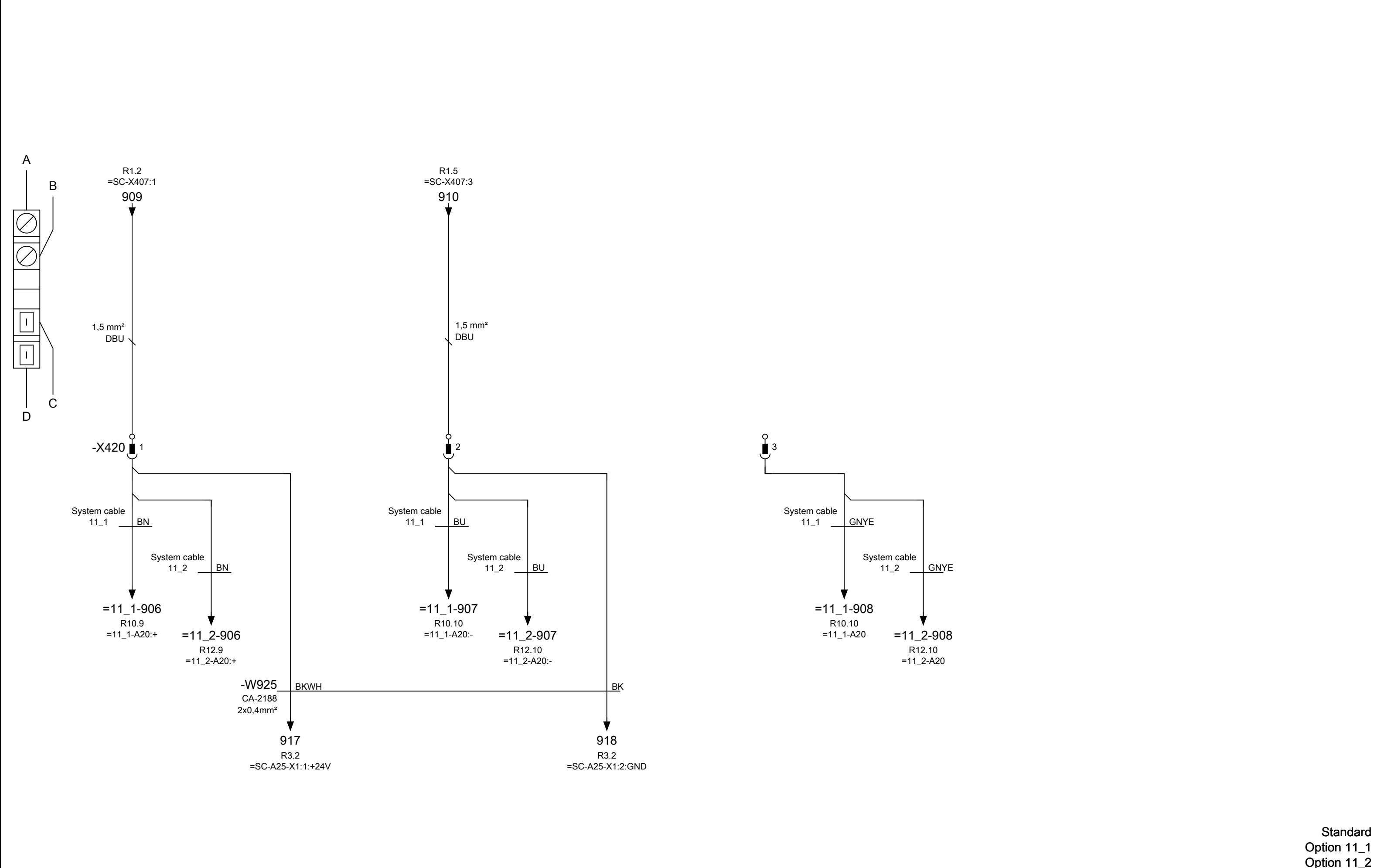


[illegible]

























1	2	3	4	5	6	7	8	9	10
=SC		-X420 = Power supply SCSMC , WEBBOX							

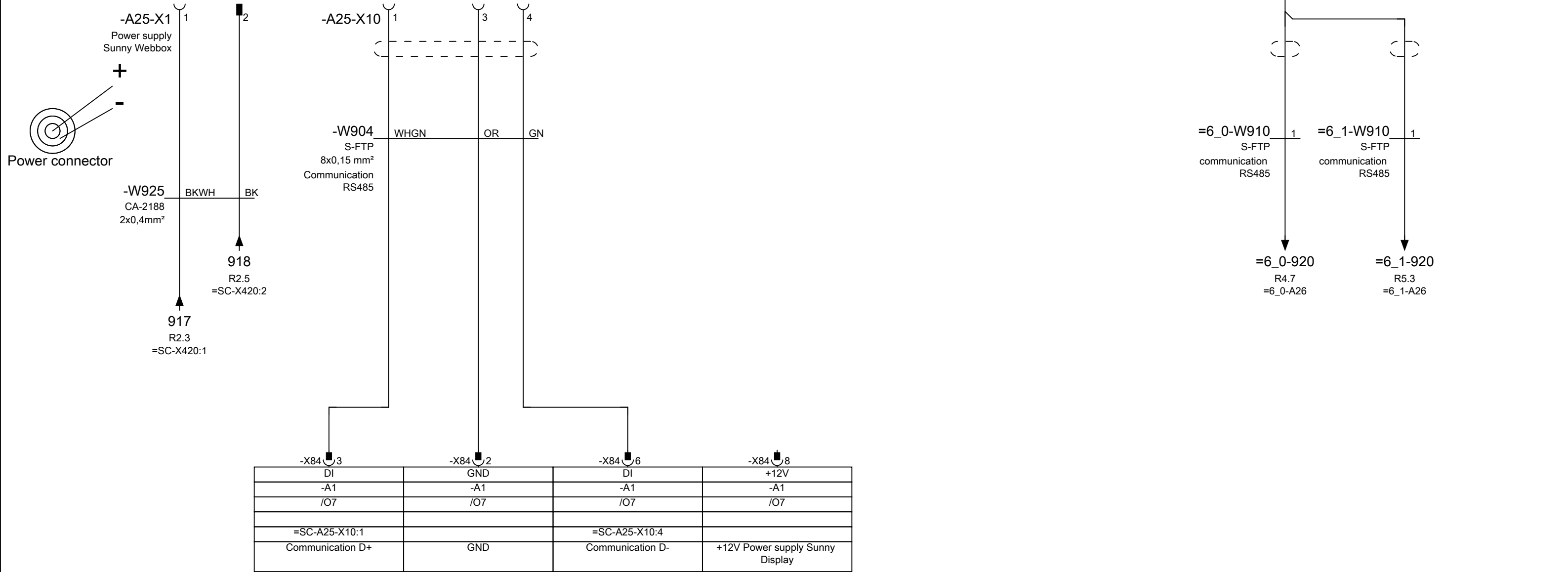


			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div> <div>SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0</div>		Communication Power supply X420	SC-720-CP-10:A		SC-720-CP-10		&EFS
			Author	R.Branz								R2
			Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by			SC-720-CP-10-CEN110910			

1	2	3	4	5	6	7	8	9	10
=SC	-A25-X1 = Power supply Sunny Webbox								
	-A25-X10 = Communication Webbox								

-A25  
Sunny Webbox

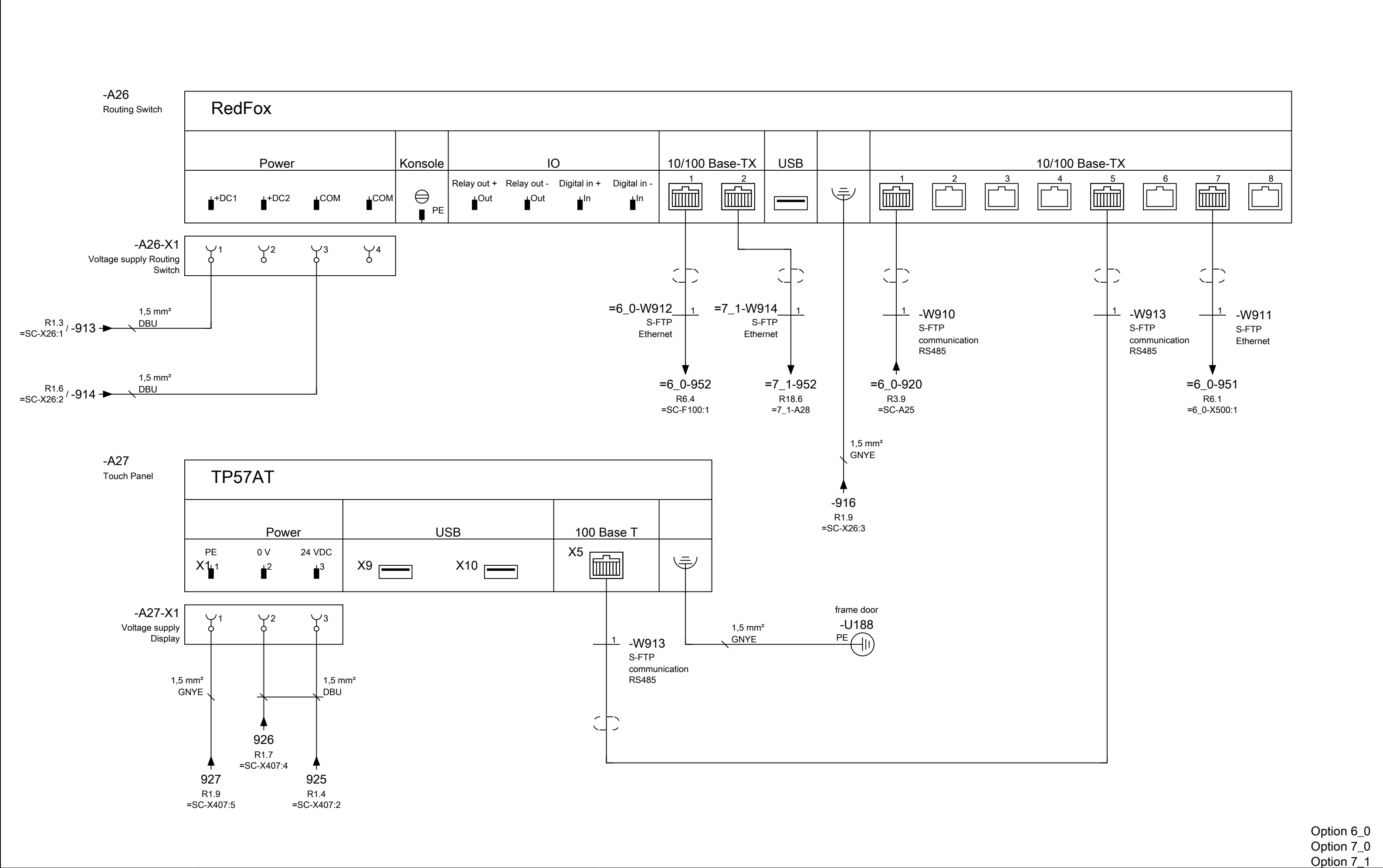
SUNNY WEBBOX																			
Antenna	Power supply	J1	SMA COM			AUX COM							J2	Modem	USB	USB	Ethernet	Memory	
			D+  2	GND  3	D-  5	 7	 1	 2	 3	 4	 5	 6	 7						



Standard  
Option 6\_0  
Option 6\_1

			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div> <div>SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0</div>		Communication Sunny Webbox	SC-720-CP-10:A		SC-720-CP-10 &EFS	
		Author	R.Branz					R3			
		Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by		SC-720-CP-10-CEN110910			

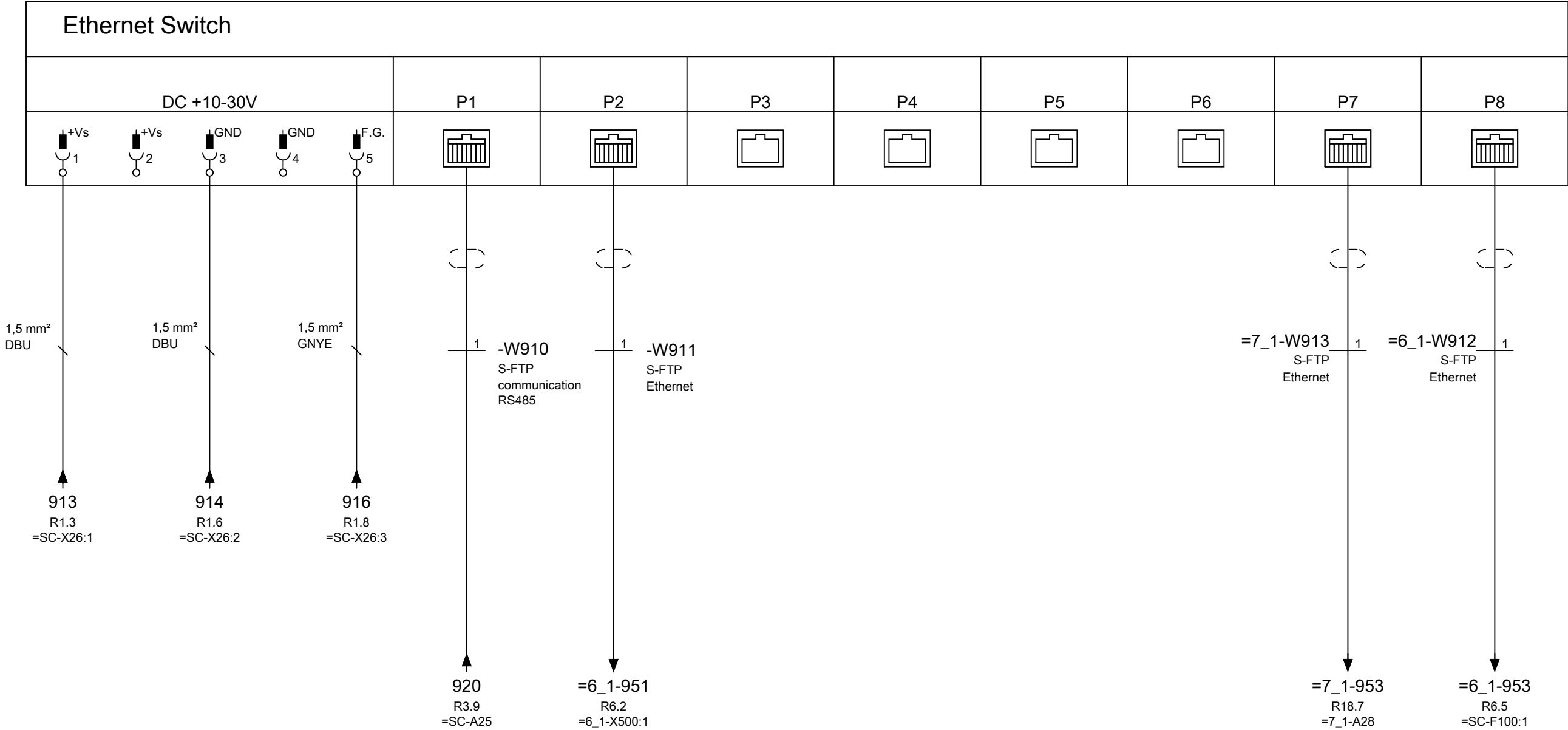
1	2	3	4	5	6	7	8	9	10
=6_0	-A26-X1 = Voltage supply Routing Switch								
	-A27-X1 = Voltage supply Display								



			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div> <div>SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0</div>		Communication 6_0 Display	SC-720-CP-10:A		SC-720-CP-10 &EFS	
		Author	R.Branz	R4							
		Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by		SC-720-CP-10-CEN110910			

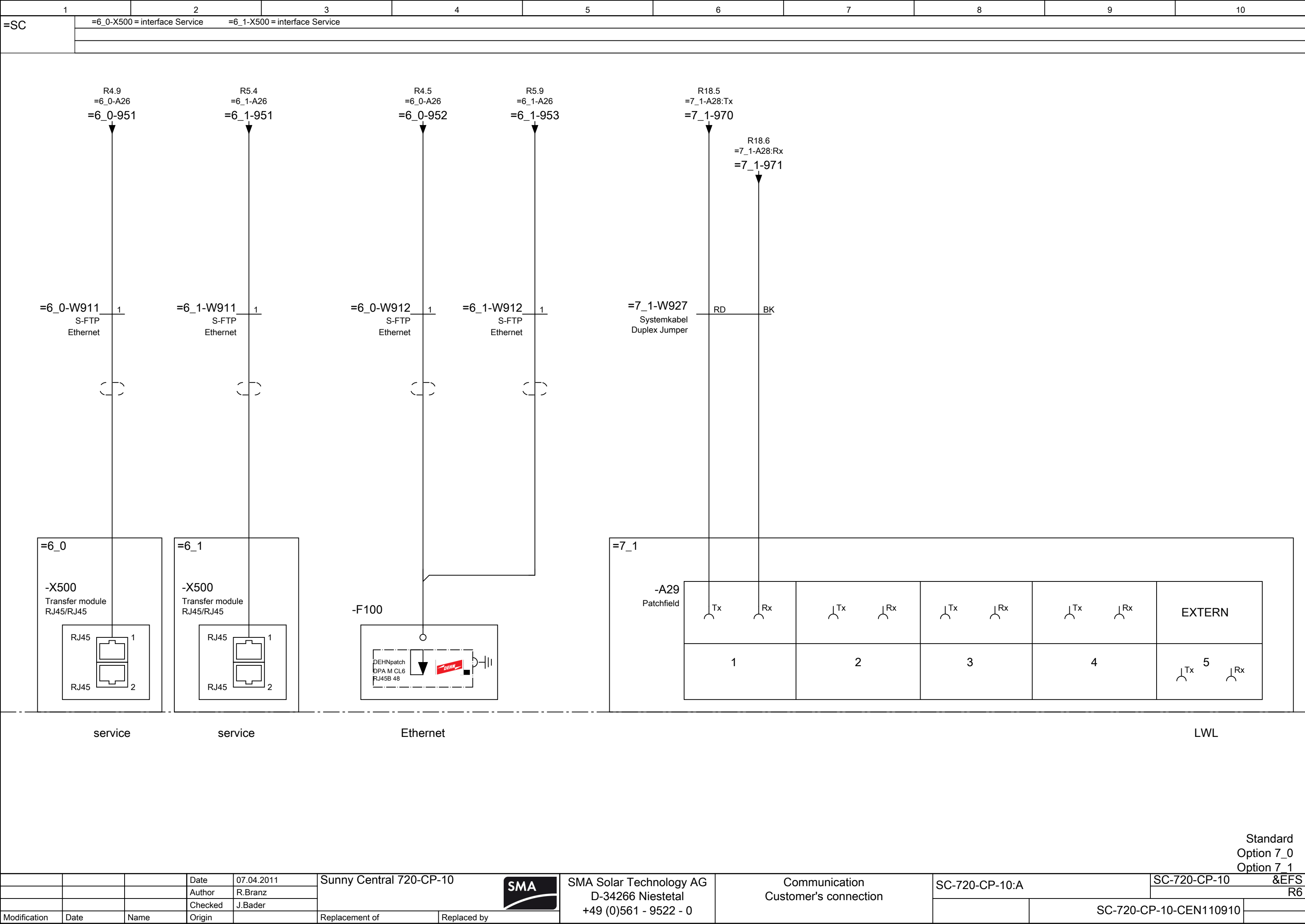
1	2	3	4	5	6	7	8	9	10
=6_1									

-A26  
Ethernet switch

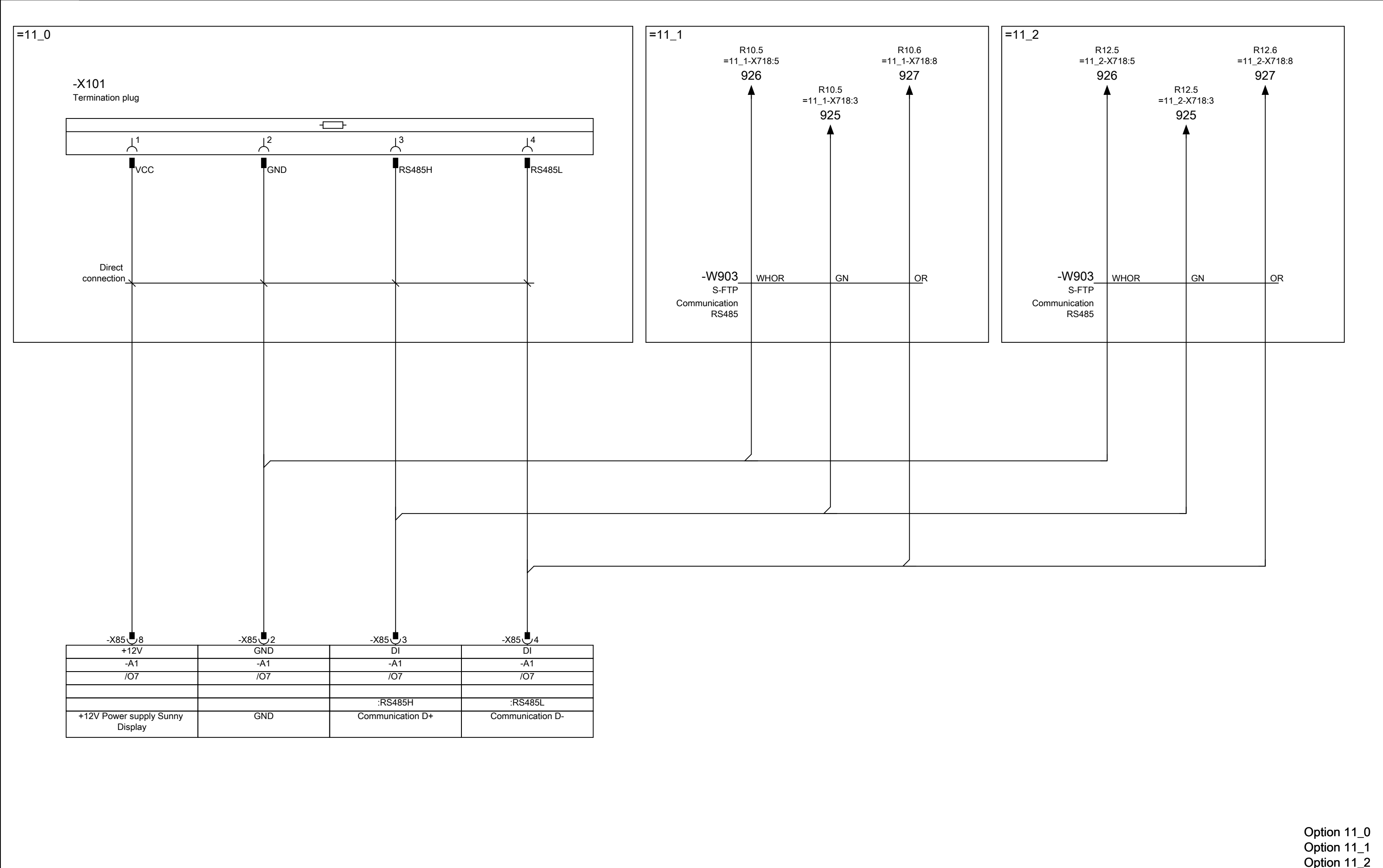


Option 6\_1  
Option 7\_0  
Option 7\_1

			Date	07.04.2011	Sunny Central 720-CP-10			SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Communication 6_1 Ethernet Switch	SC-720-CP-10:A		SC-720-CP-10		&EFS
			Author	R.Branz										R5
			Checked	J.Bader										
Modification	Date	Name	Origin		Replacement of	Replaced by					SC-720-CP-10-CEN110910			



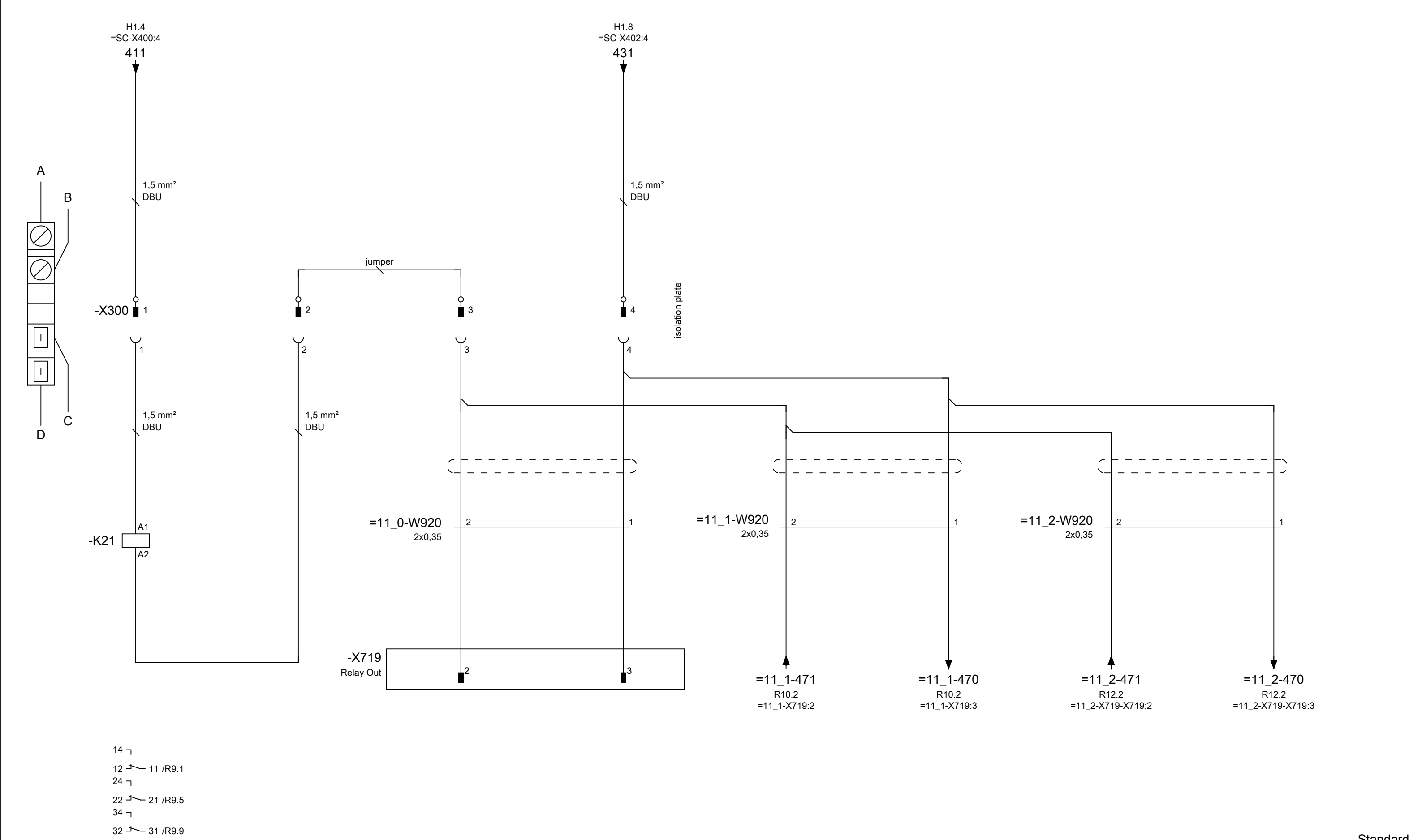




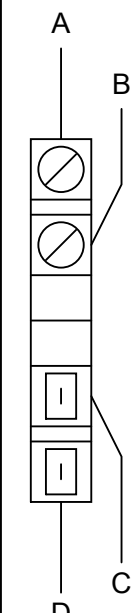
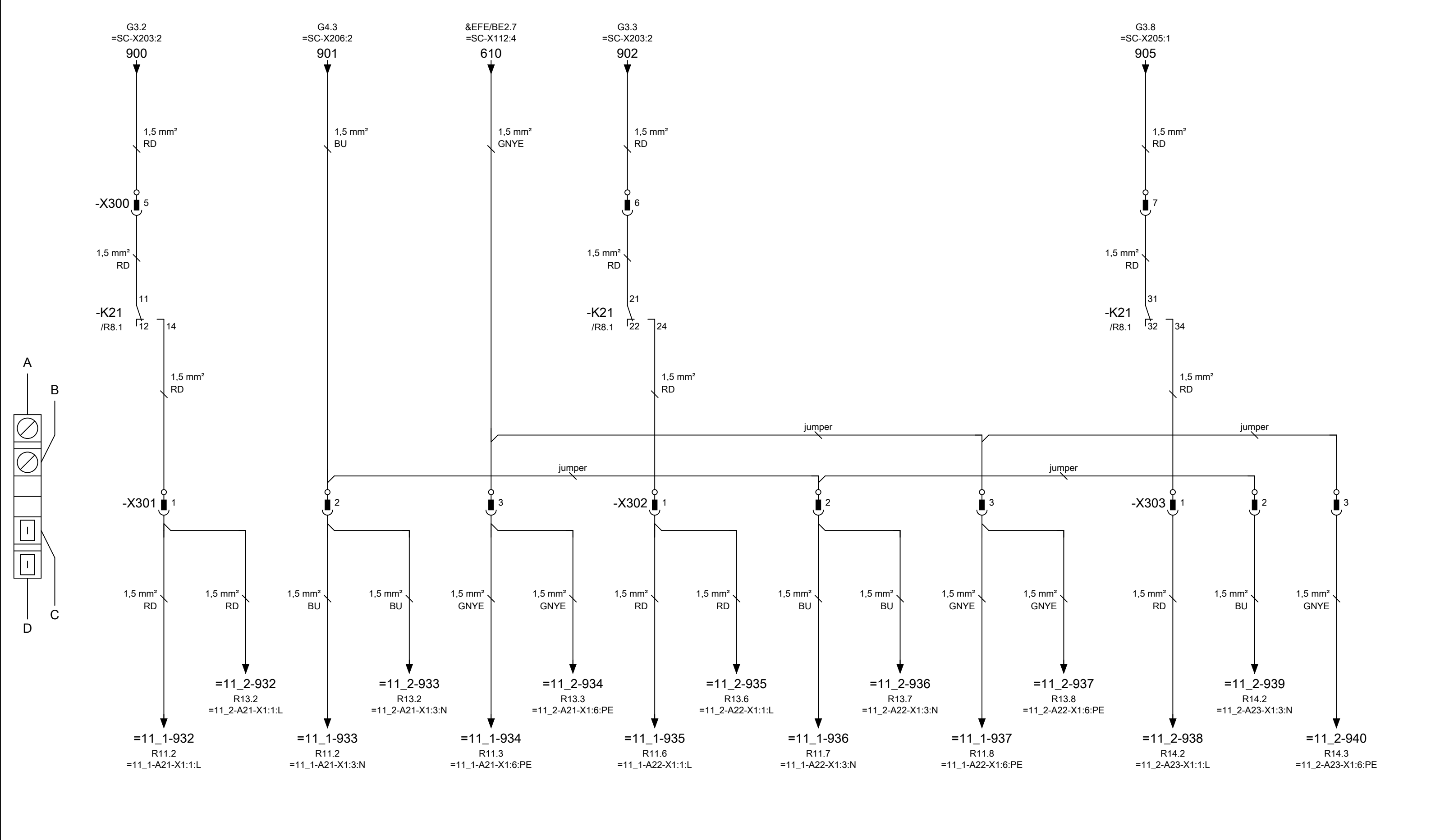
Option 11\_0

Option 11\_1

Option 11\_2



1	2	3	4	5	6	7	8	9	10
=SC	-X301 = control HUB1			-X302 = control HUB2			-X303 = control HUB3		



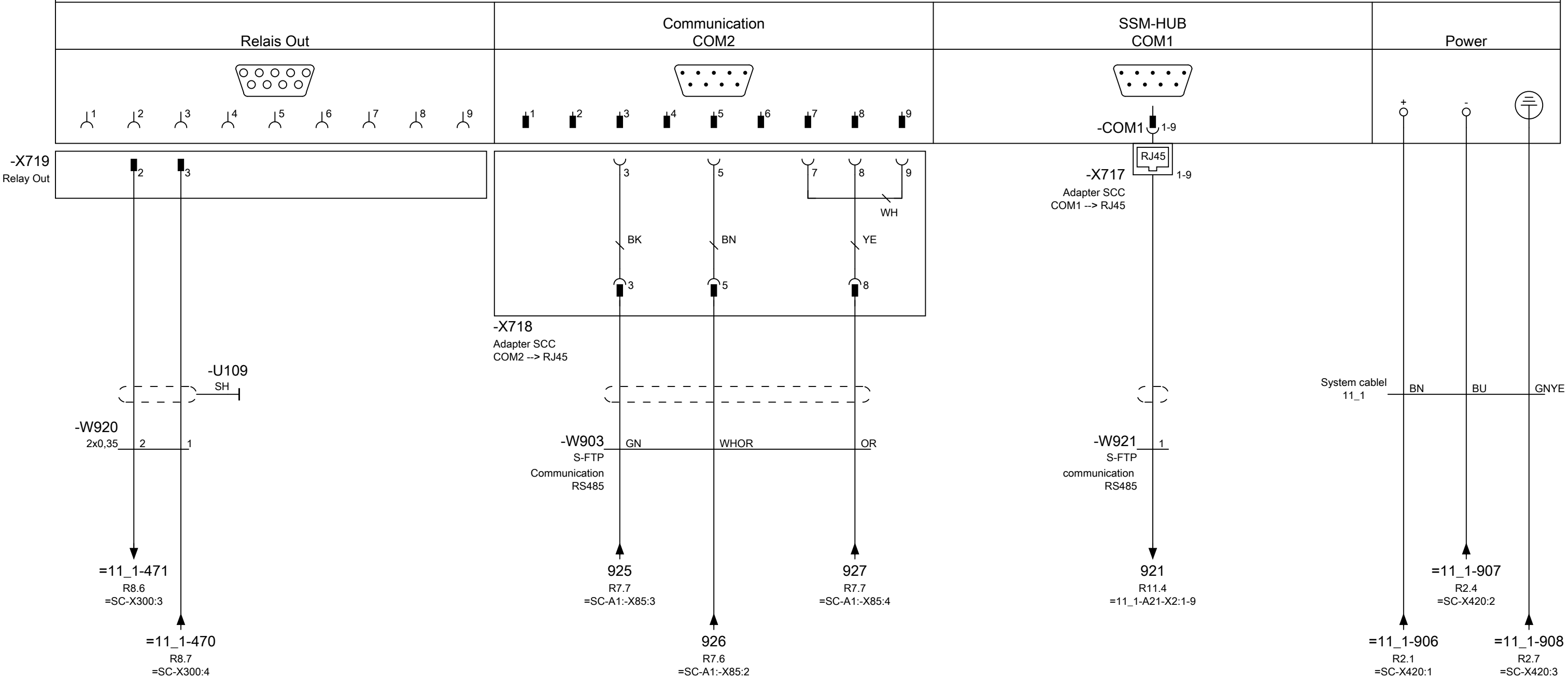
Standard  
Option 11\_1  
Option 11\_2

			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div> <div>SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0</div>		String current monitoring Power supply Hub	SC-720-CP-10:A		SC-720-CP-10		&EFS
		Author	R.Branz	R9								
		Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by		SC-720-CP-10-CEN110910				

1	2	3	4	5	6	7	8	9	10
=11_1	-X718 = SCSMC COM 2				=11_1-X717 = SCSMC COM 1				

-A20  
String  
Monitor  
Controller

SUNNY CENTRAL STRING MONITOR CONTROLLER



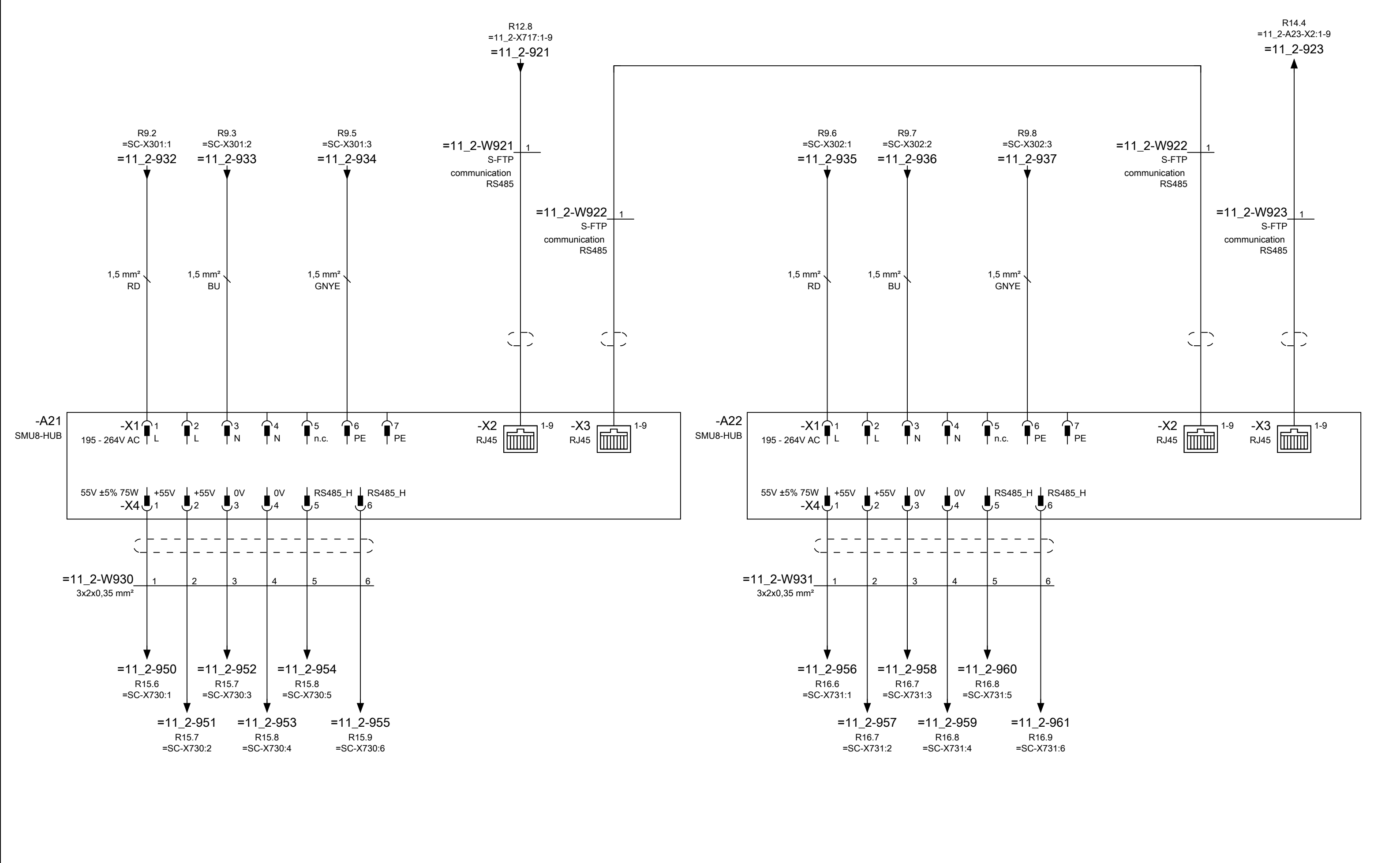
				Date		07.04.2011		Sunny Central 720-CP-10		SMA		SMA Solar Technology AG		Communication		SC-720-CP-10:A		SC-720-CP-10		&EFS	
				Author		R.Branz						D-34266 Niestetal		Sunny Central String Monitor						R10	
				Checked		J.Bader						+49 (0)561 - 9522 - 0		Controller							
Modification	Date	Name	Origin	Replacement of		Replaced by										SC-720-CP-10-CEN110910					

Option 11\_1

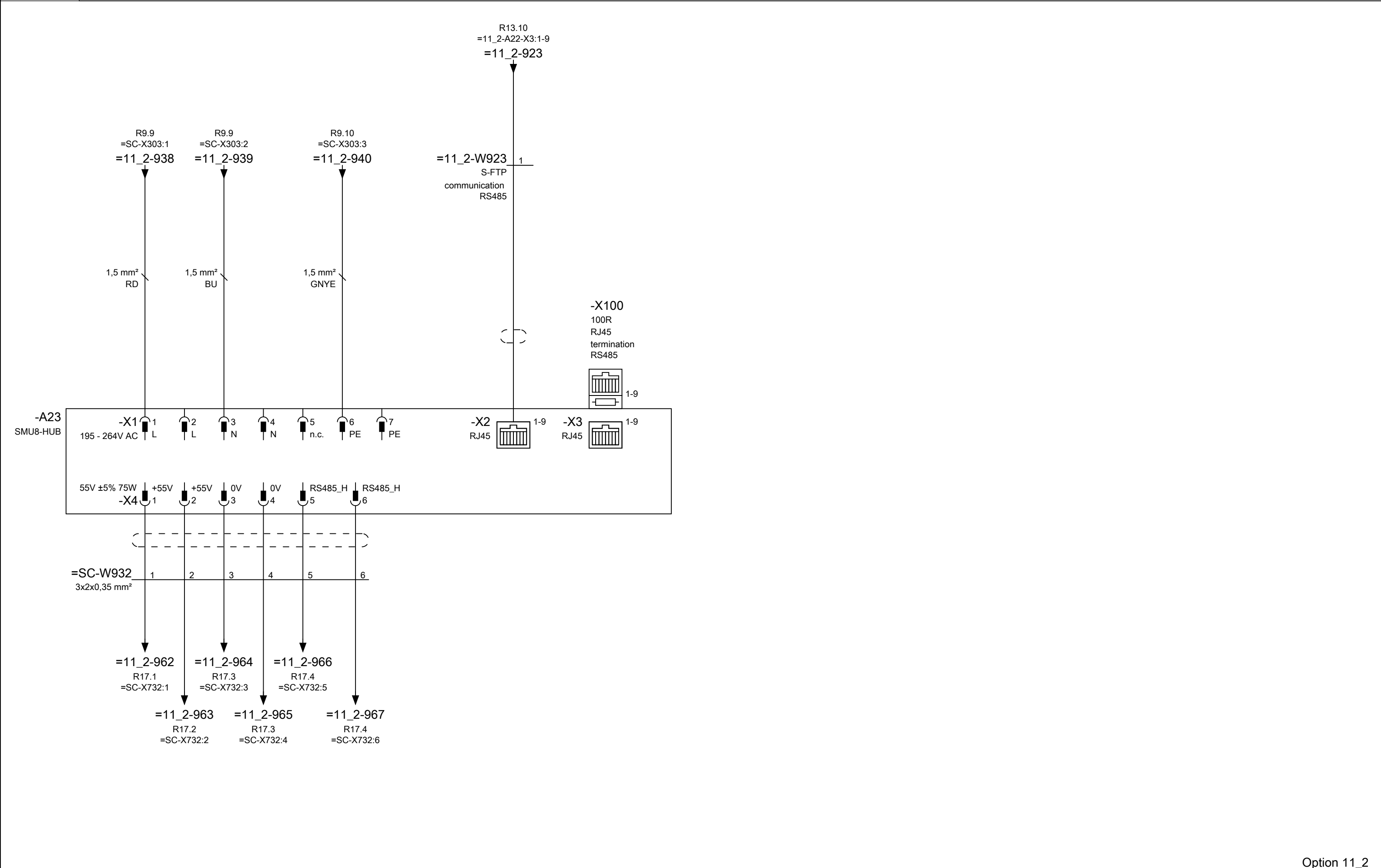




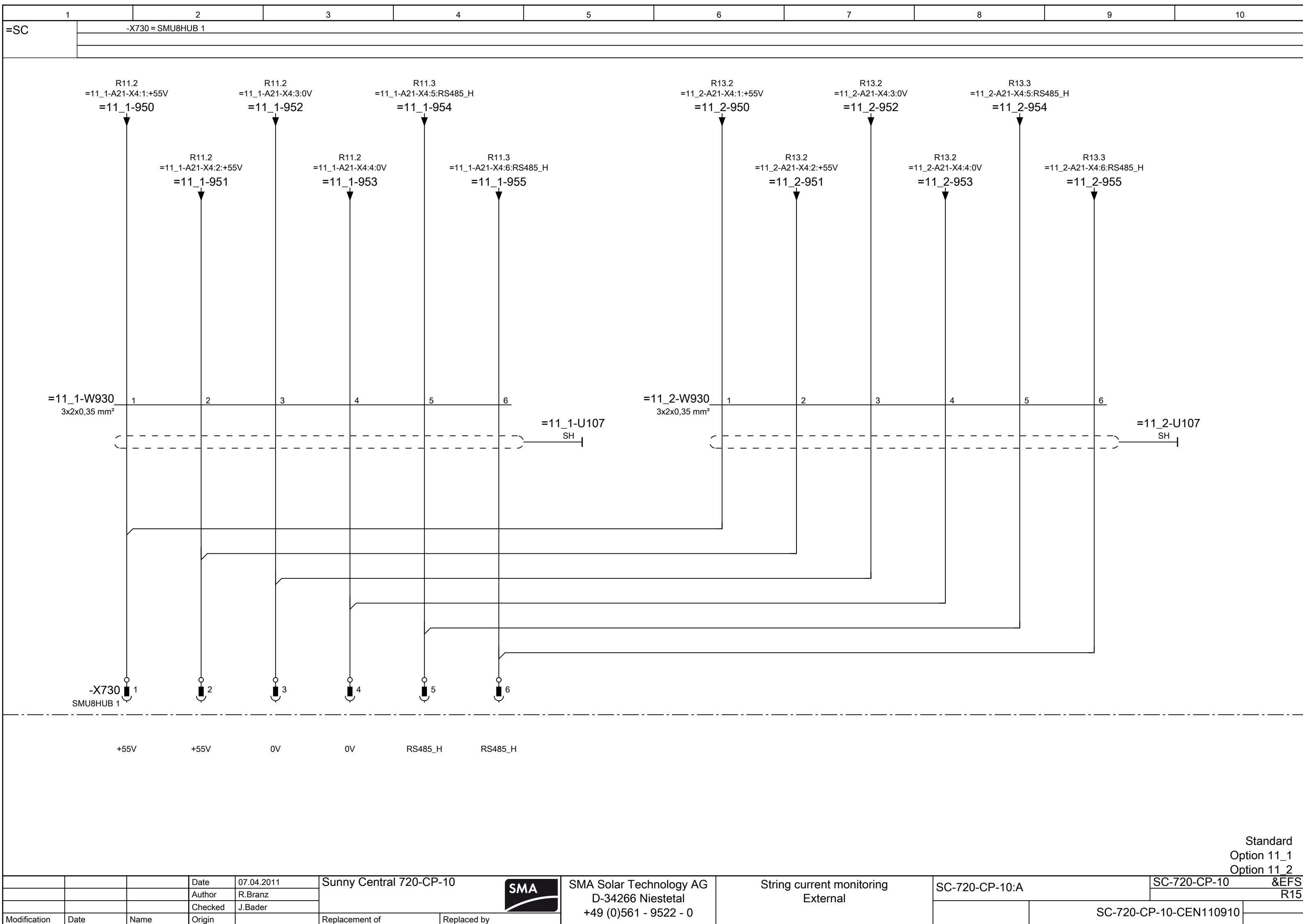
1	2	3	4	5	6	7	8	9	10
=11_2	Power supply				Power supply				
	SMU-distribution box SMU8-HUB1				SMU-distribution box SMU8-HUB2				

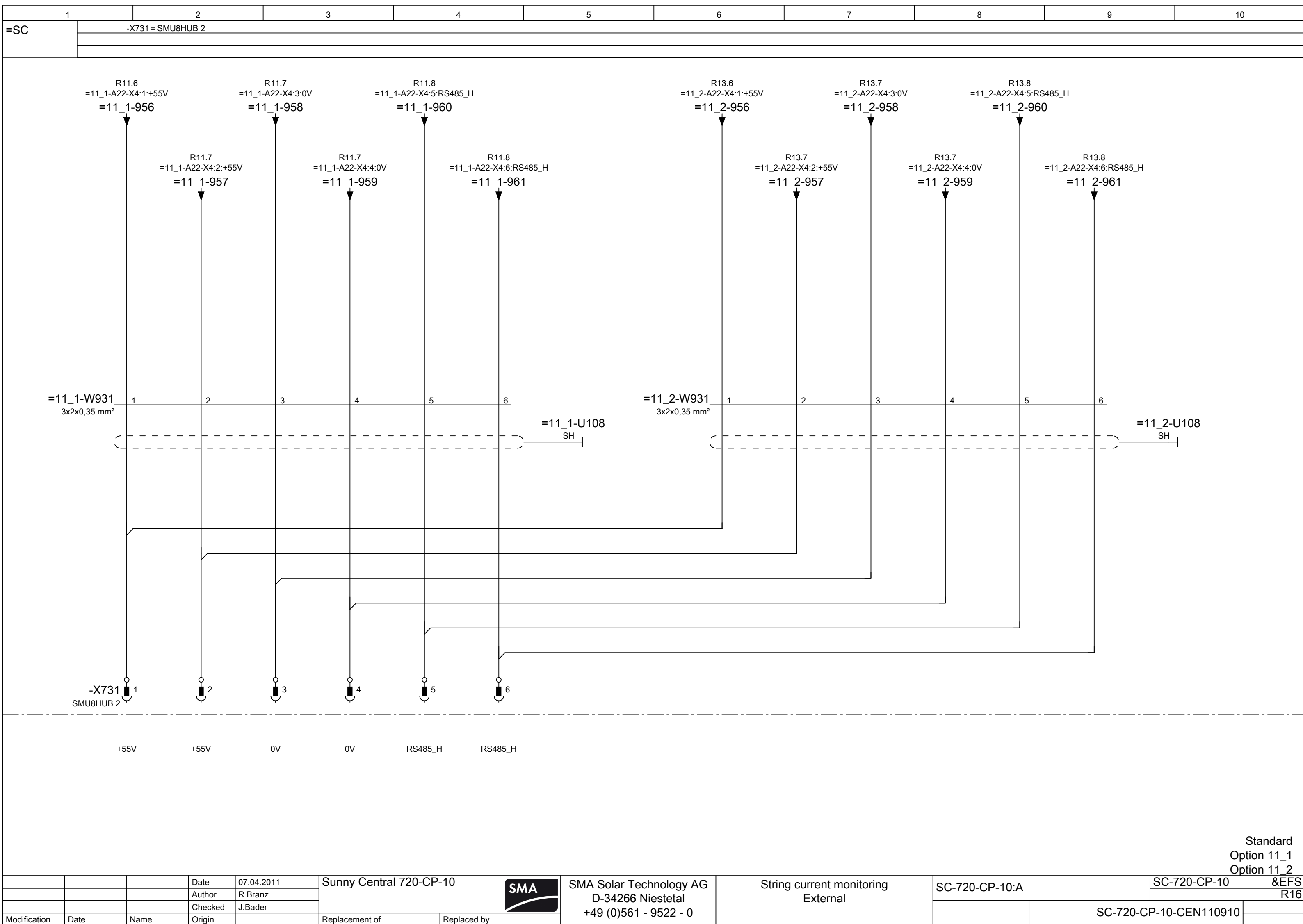


Option 11_2												
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div></div> <div>SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0</div>		SMU-distribution box SMU8-HUB1		SC-720-CP-10:A		SC-720-CP-10 &EFS	
			Author	R.Branz							R13	
			Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by			SC-720-CP-10-CEN110910			

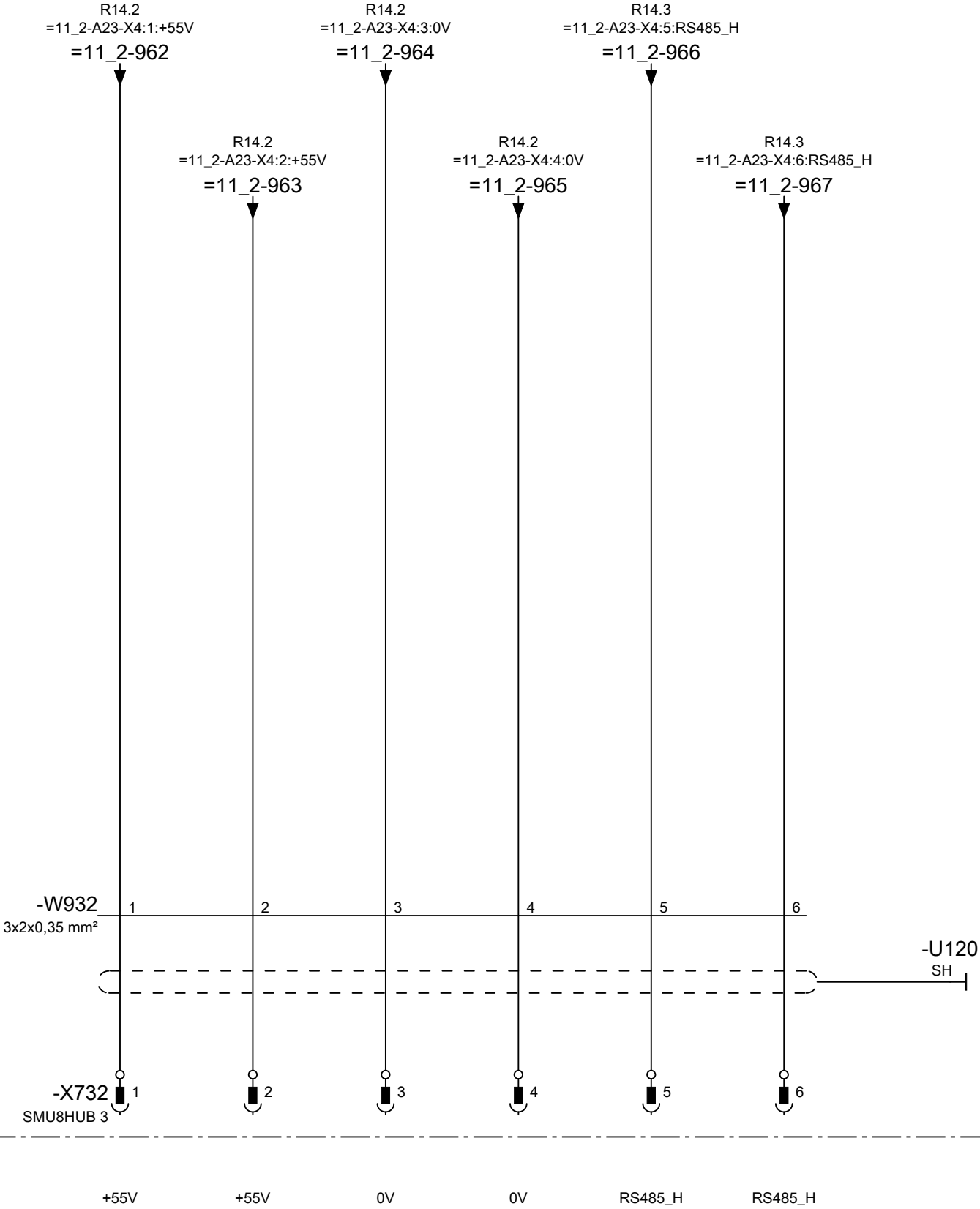






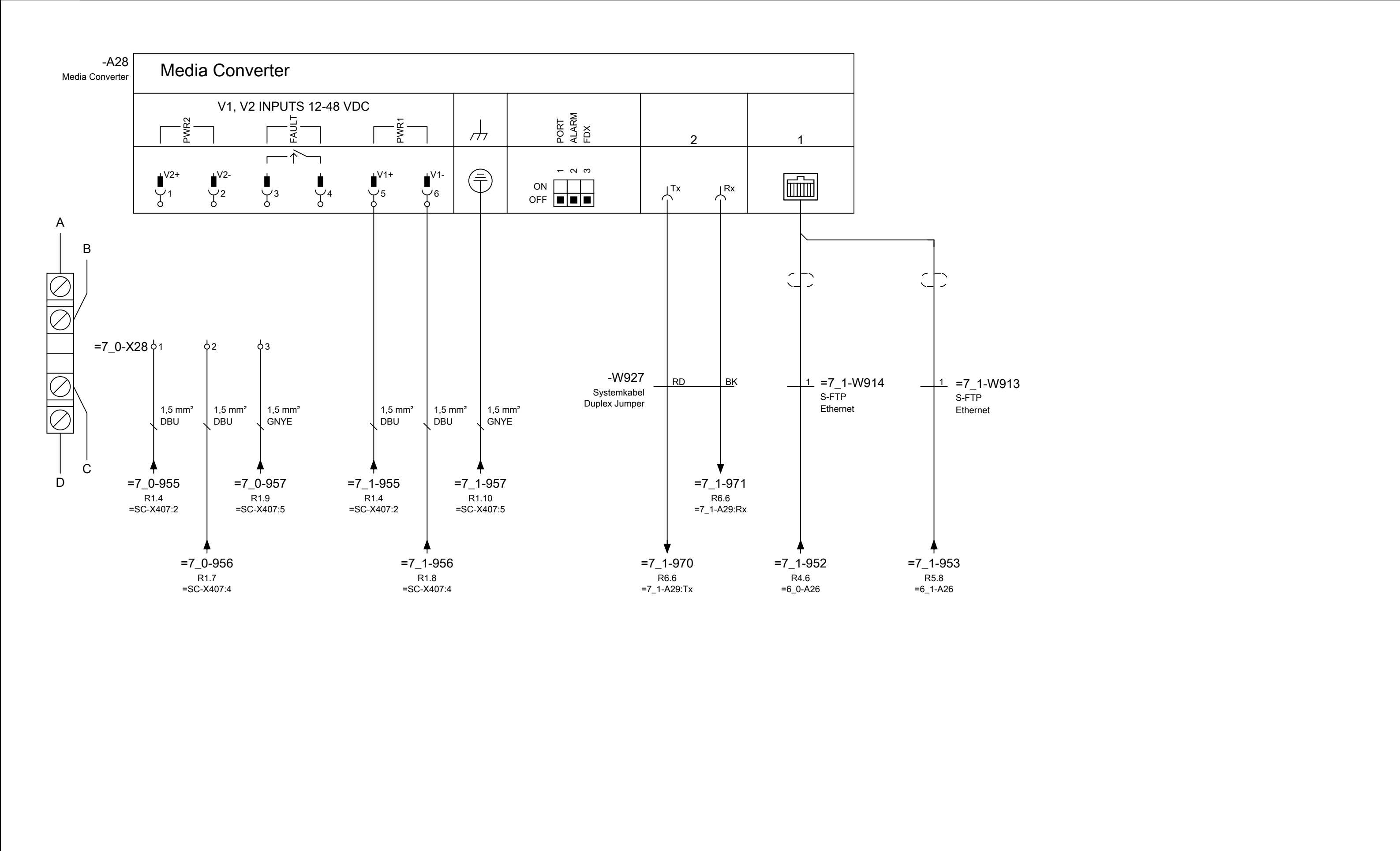


1	2	3	4	5	6	7	8	9	10
=SC									
-X732 = SMU8HUB 3									



Standard													
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div>SMA</div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	String current monitoring External	SC-720-CP-10:A		SC-720-CP-10		&EFS R17
			Author	R.Branz									
			Checked	J.Bader									
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910			

1	2	3	4	5	6	7	8	9	10
=7_1	=7_0-X28 = Power supply LWL Converter								



<b>Notice:</b> Terminal =7_0-X28 is not used at Option 7_1										Option 7_0 Option 7_1		
			Date	07.04.2011	<div>Sunny Central 720-CP-10</div> <div>SMA</div>		SMA Solar Technology AG D-34266 Niestetal +49 (0)561 - 9522 - 0	Communication LWL-Input	SC-720-CP-10:A		SC-720-CP-10 &EFS	
			Author	R.Branz							R18	
			Checked	J.Bader								
Modification	Date	Name	Origin		Replacement of	Replaced by				SC-720-CP-10-CEN110910		

# Terminal-strip overview

Reference attributes	Function	Supplementary field	Terminals	Terminal diagram page
=2_4-X19	DC Power supply Plus Busbar	Customer interface	2	
=2_4-X29	DC Power supply Minus Busbar	Customer interface	2	
=2_X-X10	DC Power supply Plus	Customer interface	1	
=2_X-X11	DC Power supply Plus	Customer interface	1	
=2_X-X12	DC Power supply Plus	Customer interface	1	
=2_X-X13	DC Power supply Plus	Customer interface	1	
=2_X-X14	DC Power supply Plus	Customer interface	1	
=2_X-X15	DC Power supply Plus	Customer interface	1	
=2_X-X16	DC Power supply Plus	Customer interface	1	
=2_X-X17	DC Power supply Plus	Customer interface	1	
=2_X-X18	DC Power supply Plus	Customer interface	1	
=2_X-X20	DC Power supply Minus	Customer interface	1	
=2_X-X21	DC Power supply Minus	Customer interface	1	
=2_X-X22	DC Power supply Minus	Customer interface	1	
=2_X-X23	DC Power supply Minus	Customer interface	1	
=2_X-X24	DC Power supply Minus	Customer interface	1	
=2_X-X25	DC Power supply Minus	Customer interface	1	
=2_X-X26	DC Power supply Minus	Customer interface	1	
=2_X-X27	DC Power supply Minus	Customer interface	1	
=2_X-X28	DC Power supply Minus	Customer interface	1	
=SC-X1	Grid feeding L1	Customer interface	3	
=SC-X2	Grid feeding L2	Customer interface	3	
=SC-X3	Grid feeding L3	Customer interface	3	
=SC-X110	power supply PE	Customer interface	12	

# Terminal-strip overview

Reference attributes	Function	Supplementary field	Terminals	Terminal diagram page
=4_0-X30	Grounding Option 4_0	Internal	1	
=4_5-X450	Softgrounding	Internal	1	
=4_6-X450	Softgrounding	Internal	1	
=5_0-X10	Insulation monitoring Option 10_0	Internal	14	
=5_0-X470	PV-Voltage Coupling device	Internal	2	
=6_0-A26-X1	Voltage supply Routing Switch	Internal	4	
=6_0-A27-X1	Voltage supply Display	Internal	3	
=7_0-X28	Power supply LWL Converter	Internal	3	
=10_3-X40	AC-Main switch Option 10_3	Internal	2	
=SC-X26	Voltage supply Communication	Internal	3	
=SC-X200	Control voltage 21L1	Internal	2	
=SC-X201	Control voltage 21L2	Internal	2	
=SC-X202	Control voltage 21L3	Internal	2	
=SC-X203	Control voltage 22L1	Internal	2	
=SC-X204	Control voltage 22L2	Internal	2	
=SC-X205	Control voltage 22L3	Internal	2	
=SC-X206	Control voltage 21N	Internal	4	
=SC-X214	disconnect terminal	Internal	6	
=SC-X400	Control voltage 41L+	Internal	4	
=SC-X402	Control voltage 41L-	Internal	4	
=SC-X407	Control voltage 42L+ , 42L-	Internal	5	
=SC-X451	Softgrounding voltage relay	Internal	5	
=SC-X460	Reset Softgrounding	Internal	1	
=SC-X701	control GFDI	Internal	4	
=SC-X720	Temperature sensor Control Cabinet	Internal	2	
=SC-X721	Temperature sensor Power Cabinet	Internal	2	
=SC-X722	Temperature sensor ambient temperature	Internal	2	
=SC-X726	Triggering Relay=14_4-K26	Internal	1	

Connector overview

Plug designation	Function	Supplementary field	Contacts	Page of plug diagram
=6_0-X500	interface Service	Customer interface	2	
=6_1-X500	interface Service	Customer interface	2	
=14_4-X760	Immediate-Stopp External	Customer interface	2	
=SC-X210	Control voltage External	Customer interface	5	
=SC-X420	Power supply SCSMC , WEBBOX	Customer interface	3	
=SC-X430	Temperature Sensor Sine filter	Customer interface	2	
=SC-X725	External Predefined setpoint Reactive power , Effective power	Customer interface	4	
=SC-X730	SMU8HUB 1	Customer interface	6	
=SC-X731	SMU8HUB 2	Customer interface	6	
=SC-X732	SMU8HUB 3	Customer interface	6	
=SC-X750	Remote Deactivation Unit Start/Stop External	Customer interface	2	
=SC-X751	Input Protection transformer	Customer interface	2	
=SC-X752	Warning Insulation monitoring External	Customer interface	3	

# Connector overview

Plug designation	Function	Supplementary field	Contacts	Page of plug diagram
=SC-X73	application coding A2-X71	Intern	0	
=SC-X80	SC20APP-72DE	Intern	0	
=SC-X81	SC20CAN-AD2	Intern	0	



# Connector overview

Plug designation	Function	Supplementary field	Contacts	Page of plug diagram
=4_2-F2-X1	motor drive GFDI	Internal	10	
=4_2-X411	Control voltage External	Internal	0	
=4_4-F2-X1	motor drive GFDI	Internal	10	
=4_4-X411	Control voltage External	Internal	0	
=11_0-X101	Termination plug X984	Internal	0	
=11_1-X100	Termination plug HUB A22	Internal	1	
=11_1-X717	SCSMC COM 1	Internal	1	
=11_1-X718	SCSMC COM 2	Internal	3	
=11_2-X100	Termination plug HUB A23	Internal	1	
=11_2-X717	SCSMC COM 1	Internal	1	
=11_2-X718	SCSMC COM 2	Internal	3	
=SC-X52	Power supply Fan	Internal	3	
=SC-X300	control HUB	Internal	3	
=SC-X301	control HUB1	Internal	3	
=SC-X302	control HUB2	Internal	3	
=SC-X303	control HUB3	Internal	3	
=SC-X410	Control voltage External	Internal	0	
=SC-X600	interface Service 230V	Internal	3	

# Connector overview

Plug designation	Function	Supplementary field	Contacts	Page of plug diagram
=SC-X710	transfer plug Inverter Cabinet	Transport disconnecting point	4	
=SC-X711	transfer plug Inverter Cabinet	Transport disconnecting point	3	
=SC-X712	transfer plug Inverter Cabinet	Transport disconnecting point	4	

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=SC-A1	&EFS/M20.3	1	Assembly	SC20CONT.GR-S1
=SC-A2	&EFS/M19.1	1	Assembly	SC20CAIO.GR1
=SC-A10	&EFS/D7.1	1	Assembly	SC20AC.BG0K60V
=SC-A11	&EFS/D7.8	1	Assembly	SC20AC.BG0K60V
=SC-A12	&EFS/D8.3	1	Assembly	SC20AC.BG0K60V
=SC-A15	&EFS/E16.2	1	Assembly	SC20DC.BG1K20V
=SC-A16	&EFS/E16.6	1	Assembly	SC20DC.BG1K20V
=SC-A17	&EFS/E15.5	1	Assembly	SC-EMV-01
=SC-A25	&EFS/R3.1	1	Sunny WebBox	SUNNYWEBBOX.GR1
=SC-B2	&EFS/M15.5	1	Temperature controller	09-6075
=SC-B3	&EFS/M9.5	1	Temperature controller	09-6075
=SC-B11	&EFS/M7.4	1	Hygostat	65-0507
=SC-B20	&EFS/M28.8	1	Temperature sensor	09-02050
=SC-B21	&EFS/M28.4	1	Temperature sensor	09-02050
=SC-B22	&EFS/M28.2	1	Temperature sensor	09-02050
=SC-C1	&EFS/D6.10	1	Capacitor	02-911002
=SC-C2	&EFS/D6.10	1	Capacitor	02-911002
=SC-C4	&EFS/E15.1	1	Capacitor	02-9780
=SC-C5	&EFS/E15.10	1	Capacitor	02-9780
=SC-E10	&EFS/M4.9	1	Resistor	01-8319231
=SC-E100	&EFS/M5.2	1	Fan	46-5185
=SC-E101	&EFS/M5.6	1	Fan	46-5185
=SC-F5	&EFS/D7.5	1	Circuit breaker B6A	61-117306
=SC-F20	&EFS/D4.1	1	Discharger	10-6404
=SC-F21	&EFS/D4.3	1	Discharger	10-6404
=SC-F22	&EFS/D4.4	1	Discharger	10-6404
=SC-F23	&EFS/E23.1	1	Discharger	10-6405

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=SC-F24	&EFS/E23.3	1	Discharger	10-6405
=SC-F29	&EFS/G1.6	1	Combination protector	62-951315
=SC-F100	&EFS/R6.3	1	Surge suppressor	62-99642
=SC-F119	&EFS/G1.2	1	Circuit breaker K16A	61-1263161
=SC-G11	&EFS/M6.2	1	Fan	46-5070
=SC-K20	&EFS/M4.2	1	Contactor	60-003030
=SC-K21	&EFS/R8.1	1	Relay	60-1504
=SC-K21	&EFS/R8.1	1	Relay socket	60-15101
=SC-K22	&EFS/M22.9	1	Relay	60-154060
=SC-K25	&EFS/M29.8	1	Relay	60-154072
=SC-K25	&EFS/M29.8	1	Insulating plate	60-154810
=SC-Q1	&EFS/M1.3	1	Contactor	60-000390
=SC-Q1	&EFS/M1.3	1	Auxiliary contact	60-0091632
=SC-Q5	&EFS/E14.1	1	Switch-disconnector	60-9045
=SC-R1	&EFS/D6.1	1	Reactor	04-035505
=SC-R50	&EFS/G1.2	1	EMC-filter	64-01201
=SC-R51	&EFS/M28.7	1	Resistor	01-0321
=SC-S1	&EFS/M7.8	1	Key switch	20-0830
=SC-S1	&EFS/M7.8	1	Contact	20-1410
=SC-T6	&EFS/E15.4	1	Current transformer	60-80012
=SC-T10	&EFS/H1.2	1	Power supply	30-94074
=SC-T11	&EFS/E1.1	1	Inverter bridge	64-114820
=SC-T12	&EFS/D5.3	1	Current transformer	04-0215004
=SC-T13	&EFS/D5.6	1	Current transformer	04-0215004
=SC-T14	&EFS/D5.9	1	Current transformer	04-0215004
=SC-T20	&EFS/H1.2	1	Buffer module	30-90380
=SC-T21	&EFS/R1.2	1	Power supply	30-90111

# Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=SC-X52	&EFS/M5.2	2	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X52	&EFS/M5.2	1	Terminal	62-769217
=SC-X52	&EFS/M5.2	1	End plate	62-769304
=SC-X52	&EFS/M5.2	1	Group label holder	62-249120
=SC-X52	&EFS/M5.2	2	End clamp 6mm	62-2993
=SC-X52	&EFS/M5.2	1	1-pole	62-769101022016
=SC-X52	&EFS/M5.2	1	Multipoint connector	62-769102022
=SC-X52	&EFS/M5.2	1	3-pole	62-769103
=SC-X52	&EFS/M5.2	3	Labeling	62-5715
=SC-X72	&EFS/M19.1	1	Connector	42-5101
=SC-X73	&EFS/M19.3	1	Connector	42-5101
=SC-X80	&EFS/M19.8	1	Application coding	SC20APP-72DE
=SC-X81	&EFS/M19.9	1	Plug-in connection	SC20CAN-AD2
=SC-X200	&EFS/G2.2	1	End clamp 6mm	62-2993
=SC-X200	&EFS/G2.2	2	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X200	&EFS/G2.2	1	Labeling	62-793502
=SC-X200	&EFS/G2.2	1	Group label holder	62-249120
=SC-X200	&EFS/G2.2	1	Crossbridge 2,5mm²	62-280402
=SC-X200	&EFS/G2.2	1	End plate	62-1507
=SC-X201	&EFS/G2.5	1	End clamp 6mm	62-2993
=SC-X201	&EFS/G2.5	2	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X201	&EFS/G2.5	1	Labeling	62-793502
=SC-X201	&EFS/G2.5	1	Group label holder	62-249120
=SC-X201	&EFS/G2.5	1	Crossbridge 2,5mm²	62-280402
=SC-X201	&EFS/G2.5	1	End plate	62-1507
=SC-X202	&EFS/G2.7	1	End clamp 6mm	62-2993
=SC-X202	&EFS/G2.7	2	4-conductor feed-through terminal, 2.5 mm²	62-280833

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=SC-X202	&EFS/G2.7	1	Labeling	62-793502
=SC-X202	&EFS/G2.7	1	Group label holder	62-249120
=SC-X202	&EFS/G2.7	1	Crossbridge 2,5mm²	62-280402
=SC-X202	&EFS/G2.8	1	End plate	62-1507
=SC-X203	&EFS/G3.2	1	End clamp 6mm	62-2993
=SC-X203	&EFS/G3.2	2	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X203	&EFS/G3.2	1	Labeling	62-793502
=SC-X203	&EFS/G3.2	1	Group label holder	62-249120
=SC-X203	&EFS/G3.2	1	Crossbridge 2,5mm²	62-280402
=SC-X203	&EFS/G3.2	1	End plate	62-1507
=SC-X204	&EFS/G3.5	1	End clamp 6mm	62-2993
=SC-X204	&EFS/G3.5	2	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X204	&EFS/G3.5	1	Labeling	62-793502
=SC-X204	&EFS/G3.5	1	Group label holder	62-249120
=SC-X204	&EFS/G3.5	1	Crossbridge 2,5mm²	62-280402
=SC-X204	&EFS/G3.6	1	End plate	62-1507
=SC-X205	&EFS/G3.8	1	End clamp 6mm	62-2993
=SC-X205	&EFS/G3.8	2	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X205	&EFS/G3.8	1	Labeling	62-793502
=SC-X205	&EFS/G3.8	1	Group label holder	62-249120
=SC-X205	&EFS/G3.8	1	Crossbridge 2,5mm²	62-280402
=SC-X205	&EFS/G3.8	1	End plate	62-1507
=SC-X206	&EFS/G4.2	1	End clamp 6mm	62-2993
=SC-X206	&EFS/G4.2	4	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X206	&EFS/G4.2	1	Labeling	62-793502
=SC-X206	&EFS/G4.2	1	Group label holder	62-249120
=SC-X206	&EFS/G4.2	3	Crossbridge 2,5mm²	62-280402

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=SC-X206	&EFS/G4.4	1	End plate	62-1507
=SC-X210	&EFS/G1.2	4	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X210	&EFS/G1.2	1	Multipoint connector	62-769104022
=SC-X210	&EFS/G1.2	1	1-pole	62-769101022016
=SC-X210	&EFS/G1.2	1	Terminal	62-769217
=SC-X210	&EFS/G1.2	1	End plate	62-769304
=SC-X210	&EFS/G1.2	2	Group label holder	62-249120
=SC-X210	&EFS/G1.2	2	End clamp 6mm	62-2993
=SC-X210	&EFS/G1.2	2	Labeling	62-5715
=SC-X214	&EFS/M18.2	2	End clamp 6mm	62-2993
=SC-X214	&EFS/M18.2	1	Group label holder	62-249120
=SC-X214	&EFS/M18.2	6	Terminal	62-282860
=SC-X214	&EFS/M18.2	1	Labeling	62-793502
=SC-X214	&EFS/M18.5	2	End plate	62-282386
=SC-X300	&EFS/R8.1	7	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X300	&EFS/R8.1	2	End clamp 6mm	62-2993
=SC-X300	&EFS/R8.1	1	Group label holder	62-249120
=SC-X300	&EFS/R8.1	2	End plate	62-769304
=SC-X300	&EFS/R8.1	1	Labeling	62-5715
=SC-X300	&EFS/R8.1	1	Crossbridge 2,5mm²	62-280402
=SC-X301	&EFS/R9.2	2	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X301	&EFS/R9.2	1	Terminal	62-769217
=SC-X301	&EFS/R9.2	1	End plate	62-769304
=SC-X301	&EFS/R9.2	2	End clamp 6mm	62-2993
=SC-X301	&EFS/R9.2	1	Labeling	62-5715
=SC-X301	&EFS/R9.2	1	Group label holder	62-249120
=SC-X301	&EFS/R9.2	2	Jumper	62-249125

# Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=SC-X302	&EFS/R9.5	2	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X302	&EFS/R9.5	1	Terminal	62-769217
=SC-X302	&EFS/R9.5	1	End plate	62-769304
=SC-X302	&EFS/R9.5	1	End clamp 6mm	62-2993
=SC-X302	&EFS/R9.5	1	Labeling	62-5715
=SC-X302	&EFS/R9.5	1	Group label holder	62-249120
=SC-X302	&EFS/R9.5	2	Jumper	62-249125
=SC-X303	&EFS/R9.9	2	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X303	&EFS/R9.9	1	Terminal	62-769217
=SC-X303	&EFS/R9.9	1	End plate	62-769304
=SC-X303	&EFS/R9.9	2	End clamp 6mm	62-2993
=SC-X303	&EFS/R9.9	1	Labeling	62-5715
=SC-X303	&EFS/R9.9	1	Group label holder	62-249120
=SC-X400	&EFS/H1.2	1	End clamp 6mm	62-2993
=SC-X400	&EFS/H1.2	4	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X400	&EFS/H1.2	1	Labeling	62-793502
=SC-X400	&EFS/H1.2	1	Group label holder	62-249120
=SC-X400	&EFS/H1.2	3	Crossbridge 2,5mm²	62-280402
=SC-X400	&EFS/H1.4	1	End plate	62-1507
=SC-X402	&EFS/H1.6	1	End clamp 6mm	62-2993
=SC-X402	&EFS/H1.6	4	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X402	&EFS/H1.6	1	Labeling	62-793502
=SC-X402	&EFS/H1.6	1	Group label holder	62-249120
=SC-X402	&EFS/H1.6	3	Crossbridge 2,5mm²	62-280402
=SC-X402	&EFS/H1.8	1	End plate	62-1507
=SC-X407	&EFS/R1.2	4	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X407	&EFS/R1.2	1	Group label holder	62-249120



# Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=SC-X407	&EFS/R1.2	2	End clamp 6mm	62-2993
=SC-X407	&EFS/R1.2	2	End plate	62-1507
=SC-X407	&EFS/R1.2	2	Crossbridge 2,5mm²	62-280402
=SC-X407	&EFS/R1.2	1	Labeling	62-793502
=SC-X407	&EFS/R1.8	1	Terminal	62-280837
=SC-X410	&EFS/E18.3	4	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X410	&EFS/E18.3	2	Multipoint connector	62-769104022
=SC-X410	&EFS/E18.3	2	End clamp 6mm	62-2993
=SC-X410	&EFS/E18.3	1	Group label holder	62-249120
=SC-X410	&EFS/E18.3	1	End plate	62-769304
=SC-X410	&EFS/E18.3	1	Terminal	62-769217
=SC-X410	&EFS/E18.3	1	Jumper	62-249125
=SC-X420	&EFS/R2.1	2	End clamp 6mm	62-2993
=SC-X420	&EFS/R2.1	1	Group label holder	62-249120
=SC-X420	&EFS/R2.1	2	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X420	&EFS/R2.1	1	Terminal	62-769217
=SC-X420	&EFS/R2.1	1	End plate	62-769304
=SC-X420	&EFS/R2.1	1	Labeling	62-5715
=SC-X451	&EFS/M25.2	4	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X451	&EFS/M25.2	1	End clamp 6mm	62-2993
=SC-X451	&EFS/M25.2	1	Group label holder	62-249120
=SC-X451	&EFS/M25.2	1	Labeling	62-793502
=SC-X451	&EFS/M25.2	2	End plate	62-1507
=SC-X451	&EFE/BE2.6	1	Terminal	62-283671
=SC-X451	&EFE/BE2.6	1	End plate	62-283352
=SC-X600	&EFS/M4.4	2	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X600	&EFS/M4.4	1	3-pole	62-769102

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=SC-X600	&EFS/M4.4	2	End clamp 6mm	62-2993
=SC-X600	&EFS/M4.4	1	Group label holder	62-249120
=SC-X600	&EFS/M4.4	1	Terminal	62-769217
=SC-X600	&EFS/M4.4	1	End plate	62-769304
=SC-X701	&EFS/M13.4	4	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X701	&EFS/M13.4	1	End clamp 6mm	62-2993
=SC-X701	&EFS/M13.4	1	Group label holder	62-249120
=SC-X701	&EFS/M13.4	1	End plate	62-1507
=SC-X701	&EFS/M13.4	1	Labeling	62-793502
=SC-X710	&EFS/M6.2	1	Pin header 5-pole	62-231607
=SC-X710	&EFS/M6.2	1	Female connector 5-pole	62-769106
=SC-X710	&EFS/M6.2	2	Mounting material	62-769107
=SC-X711	&EFS/M5.2	1	Pin header 5-pole	62-231607
=SC-X711	&EFS/M5.2	1	Female connector 5-pole	62-769106
=SC-X711	&EFS/M5.2	2	Mounting material	62-769107
=SC-X712	&EFS/M4.8	1	Pin header 5-pole	62-231607
=SC-X712	&EFS/M4.8	1	Female connector 5-pole	62-769106
=SC-X712	&EFS/M4.8	2	Mounting material	62-769107
=SC-X720	&EFS/M28.8	2	Feed-through terminal	62-091315
=SC-X720	&EFS/M28.8	2	End clamp	62-2994
=SC-X720	&EFS/M28.8	1	End plate	62-264369
=SC-X720	&EFS/M28.8	1	Labeling	62-5715
=SC-X721	&EFS/M28.4	2	Feed-through terminal	62-091315
=SC-X721	&EFS/M28.4	2	End clamp	62-2994
=SC-X721	&EFS/M28.4	1	End plate	62-264369
=SC-X721	&EFS/M28.4	1	Labeling	62-5715
=SC-X722	&EFS/M28.2	2	Feed-through terminal	62-091315

# Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=SC-X722	&EFS/M28.2	1	End plate	62-264369
=SC-X722	&EFS/M28.2	1	End clamp	62-2994
=SC-X722	&EFS/M28.2	1	Labeling	62-5715
=SC-X725	&EFS/M30.2	4	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X725	&EFS/M30.2	1	Multipoint connector	62-769104022
=SC-X725	&EFS/M30.2	1	End clamp 6mm	62-2993
=SC-X725	&EFS/M30.2	1	Group label holder	62-249120
=SC-X725	&EFS/M30.2	1	End plate	62-769304
=SC-X725	&EFS/M30.2	2	Labeling	62-5715
=SC-X726	&EFS/M16.1	1	4-conductor feed-through terminal, 2.5 mm²	62-280833
=SC-X726	&EFS/M16.1	1	End plate	62-1507
=SC-X726	&EFS/M16.1	1	Group label holder	62-249120
=SC-X726	&EFS/M16.1	1	End clamp 6mm	62-2993
=SC-X726	&EFS/M16.1	1	Labeling	62-793502
=SC-X730	&EFS/R15.1	6	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X730	&EFS/R15.1	1	6-pole	62-769106022
=SC-X730	&EFS/R15.1	1	End clamp 6mm	62-2993
=SC-X730	&EFS/R15.1	1	Group label holder	62-249120
=SC-X730	&EFS/R15.1	1	End plate	62-769304
=SC-X730	&EFS/R15.1	2	Labeling	62-5715
=SC-X731	&EFS/R16.1	6	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X731	&EFS/R16.1	1	6-pole	62-769106022
=SC-X731	&EFS/R16.1	1	End clamp 6mm	62-2993
=SC-X731	&EFS/R16.1	1	Group label holder	62-249120
=SC-X731	&EFS/R16.1	1	End plate	62-769304
=SC-X731	&EFS/R16.1	2	Labeling	62-5715
=SC-X732	&EFS/R17.1	6	2-conductor/2-pin receptacle terminal 4 mm²	62-769171

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=SC-X732	&EFS/R17.1	1	6-pole	62-769106022
=SC-X732	&EFS/R17.1	1	End clamp 6mm	62-2993
=SC-X732	&EFS/R17.1	1	Group label holder	62-249120
=SC-X732	&EFS/R17.1	1	End plate	62-769304
=SC-X732	&EFS/R17.1	2	Labeling	62-5715
=SC-X750	&EFS/M29.3	2	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X750	&EFS/M29.3	1	Multipoint connector	62-769102022
=SC-X750	&EFS/M29.3	1	End clamp 6mm	62-2993
=SC-X750	&EFS/M29.3	1	Group label holder	62-249120
=SC-X750	&EFS/M29.3	1	End plate	62-769304
=SC-X750	&EFS/M29.3	2	Labeling	62-5715
=SC-X751	&EFS/M29.7	2	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X751	&EFS/M29.7	1	Multipoint connector	62-769102022
=SC-X751	&EFS/M29.7	1	End clamp 6mm	62-2993
=SC-X751	&EFS/M29.7	1	Group label holder	62-249120
=SC-X751	&EFS/M29.7	1	End plate	62-769304
=SC-X751	&EFS/M29.7	2	Labeling	62-5715
=SC-X752	&EFS/M31.2	3	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=SC-X752	&EFS/M31.2	1	Multipoint connector	62-769103022
=SC-X752	&EFS/M31.2	1	End clamp 6mm	62-2993
=SC-X752	&EFS/M31.2	1	Group label holder	62-249120
=SC-X752	&EFS/M31.2	1	End plate	62-769304
=SC-X752	&EFS/M31.2	2	Labeling	62-5715
=SC-Z11	&EFS/E15.5	2	Ferrite core	04-12090
=2_X-F101	&EFS/E2.2	1	NH fuse base	61-015947
=2_X-F102	&EFS/E2.3	1	NH fuse base	61-015947
=2_X-F103	&EFS/E2.4	1	NH fuse base	61-015947

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=2_X-F104	&EFS/E2.5	1	NH fuse base	61-015947
=2_X-F105	&EFS/E2.5	1	NH fuse base	61-015947
=2_X-F106	&EFS/E2.6	1	NH fuse base	61-015947
=2_X-F107	&EFS/E2.7	1	NH fuse base	61-015947
=2_X-F108	&EFS/E2.8	1	NH fuse base	61-015947
=2_X-F109	&EFS/E2.8	1	NH fuse base	61-015947
=2_X-F201	&EFS/E3.2	1	NH fuse base	61-015947
=2_X-F202	&EFS/E3.3	1	NH fuse base	61-015947
=2_X-F203	&EFS/E3.4	1	NH fuse base	61-015947
=2_X-F204	&EFS/E3.5	1	NH fuse base	61-015947
=2_X-F205	&EFS/E3.5	1	NH fuse base	61-015947
=2_X-F206	&EFS/E3.6	1	NH fuse base	61-015947
=2_X-F207	&EFS/E3.7	1	NH fuse base	61-015947
=2_X-F208	&EFS/E3.8	1	NH fuse base	61-015947
=2_X-F209	&EFS/E3.8	1	NH fuse base	61-015947
=4_0-X30	&EFS/E17.1	1	4-conductor feed-through terminal, 2.5 mm²	62-280833
=4_0-X30	&EFS/E17.1	1	End plate	62-1507
=4_0-X30	&EFS/E17.1	2	End clamp 6mm	62-2993
=4_0-X30	&EFS/E17.1	1	Group label holder	62-249120
=4_0-X30	&EFS/E17.1	1	Labeling	62-793502
=4_1-F2	&EFS/E17.6	1	Circuit breaker K5,8A	61-126405
=4_1-F2	&EFS/E17.6	1	Auxiliary switch	61-126999
=4_2-F2	&EFS/E20.3	1	Circuit breaker K5,8A	61-126405
=4_2-F2	&EFS/E20.3	1	Switch unit	60-0500
=4_2-F2	&EFS/E20.3	1	Auxiliary switch	61-126999
=4_2-F2-X1	&EFS/E20.5	4	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=4_2-F2-X1	&EFS/E20.5	2	Multipoint connector	62-769104022

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=4_2-F2-X1	&EFS/E20.5	2	End clamp 6mm	62-2993
=4_2-F2-X1	&EFS/E20.5	1	Group label holder	62-249120
=4_2-F2-X1	&EFS/E20.5	1	End plate	62-769304
=4_2-F2-X1	&EFS/E20.5	1	Terminal	62-769217
=4_2-X411	&EFS/E18.3	8	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=4_2-X411	&EFS/E18.3	1	End clamp 6mm	62-2993
=4_2-X411	&EFS/E18.3	1	Group label holder	62-249120
=4_2-X411	&EFS/E18.3	1	End plate	62-769304
=4_3-F2	&EFS/E17.9	1	Circuit breaker K5,8A	61-126405
=4_3-F2	&EFS/E17.9	1	Auxiliary switch	61-126999
=4_4-F2	&EFS/E21.3	1	Circuit breaker K5,8A	61-126405
=4_4-F2	&EFS/E21.3	1	Switch unit	60-0500
=4_4-F2	&EFS/E21.3	1	Auxiliary switch	61-126999
=4_4-F2-X1	&EFS/E21.5	4	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=4_4-F2-X1	&EFS/E21.5	2	Multipoint connector	62-769104022
=4_4-F2-X1	&EFS/E21.5	2	End clamp 6mm	62-2993
=4_4-F2-X1	&EFS/E21.5	1	Group label holder	62-249120
=4_4-F2-X1	&EFS/E21.5	1	End plate	62-769304
=4_4-F2-X1	&EFS/E21.5	1	Terminal	62-769217
=4_4-X411	&EFS/E18.7	4	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=4_4-X411	&EFS/E18.7	2	Multipoint connector	62-769104022
=4_4-X411	&EFS/E18.7	2	End clamp 6mm	62-2993
=4_4-X411	&EFS/E18.7	1	Group label holder	62-249120
=4_4-X411	&EFS/E18.7	1	End plate	62-769304
=4_4-X411	&EFS/E18.7	1	Terminal	62-769217
=4_5-F2	&EFS/E22.4	1	Circuit breaker K0,15A	61-126415
=4_5-F2	&EFS/E22.4	1	Auxiliary switch	61-126999

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=4_5-K10	&EFS/M25.2	1	Relay	60-13690
=4_5-R3	&EFS/M25.5	1	Resistor	01-8330035
=4_5-S2	&EFS/M25.2	1	Pushbutton	60-207348
=4_5-X450	&EFS/M25.8	1	4-conductor feed-through terminal, 2.5 mm²	62-280833
=4_5-X450	&EFS/M25.8	1	End plate	62-1507
=4_5-X450	&EFS/M25.8	1	End clamp 6mm	62-2993
=4_5-X450	&EFS/M25.8	1	Group label holder	62-249120
=4_5-X450	&EFS/M25.8	1	Labeling	62-793502
=4_6-F2	&EFS/E22.7	1	Circuit breaker K0,15A	61-126415
=4_6-F2	&EFS/E22.7	1	Auxiliary switch	61-126999
=4_6-K10	&EFS/M26.2	1	Relay	60-13690
=4_6-R3	&EFS/M26.5	1	Resistor	01-8330035
=4_6-S2	&EFS/M26.2	1	Pushbutton	60-207348
=4_6-X450	&EFS/M26.8	1	End clamp	62-2994
=4_6-X450	&EFS/M26.8	1	Feed-through terminal	62-091315
=4_6-X450	&EFS/M26.8	1	Labeling	62-248566
=5_0-X10	&EFS/M21.2	9	4-conductor feed-through terminal, 2.5 mm²	62-280833
=5_0-X10	&EFS/M21.2	2	End clamp 6mm	62-2993
=5_0-X10	&EFS/M21.2	1	Group label holder	62-249120
=5_0-X10	&EFS/M21.2	1	1 ... 50 (2x)	62-793566
=5_0-X10	&EFS/M21.3	2	End plate	62-1507
=5_0-X10	&EFS/M21.4	1	Terminal	62-283671
=5_0-X10	&EFS/M21.4	1	End plate	62-283352
=5_0-X10	&EFS/M21.5	3	Terminal 6mm²	62-282681
=5_0-X10	&EFS/M21.9	1	Terminal 6mm²	62-282687
=5_0-X10	&EFS/M21.9	1	End plate	62-282339
=5_0-X10	&EFS/M22.5	2	Crossbridge 2,5mm²	62-280402



Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=5_0-X470	&EFS/E5.8	2	2-conductor feed-through terminal, 6 mm²	62-782601
=5_0-X470	&EFS/E5.8	3	End plate	62-209192
=5_0-X470	&EFS/E5.8	1	Cover	62-282415
=5_0-X470	&EFS/E5.8	1	Labeling	62-793502
=5_0-X470	&EFS/E5.8	1	Group label holder	62-249120
=5_0-X470	&EFS/E5.8	2	End clamp 6mm	62-2993
=5_0-X470	&EFS/E5.8	1	End clamp	62-249117
=5_1-F10	&EFS/M23.1	1	Insulation Monitoring	60-16697
=5_1-F11	&EFS/M23.6	1	Measuring instrument	60-16691
=5_2-F10	&EFS/M24.1	1	Insulation Monitoring	60-16697
=5_2-F11	&EFS/M24.6	1	Measuring instrument	60-16691
=6_0-A26	&EFS/R4.2	1	Router	36-07010
=6_0-A27	&EFS/R4.2	1	Monitor	16-1541
=6_0-X500	&EFS/R6.1	1	Wall bushing	65-081022
=6_0-X500	&EFS/R6.1	1	Cover cap	65-081023
=6_1-A26	&EFS/R5.1	1	Ethernet switch	36-0709
=6_1-H1	&EFS/M13.5	1	Indicator light	20-06797
=6_1-H1	&EFS/M13.5	1	LED element	20-06800
=6_1-H2	&EFS/M13.7	1	Indicator light	20-06795
=6_1-H2	&EFS/M13.7	1	LED element	20-06800
=6_1-H3	&EFS/M13.8	1	Indicator light	20-06796
=6_1-H3	&EFS/M13.8	1	LED element	20-06800
=6_1-X500	&EFS/R6.2	1	Wall bushing	65-081024
=6_1-X500	&EFS/R6.2	1	Cover cap	65-081023
=7_0-X28	&EFS/R18.2	2	4-conductor feed-through terminal, 2.5 mm²	62-280833
=7_0-X28	&EFS/R18.2	1	End plate	62-1507
=7_0-X28	&EFS/R18.2	2	End clamp 6mm	62-2993



Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=7_0-X28	&EFS/R18.2	1	Group label holder	62-249120
=7_0-X28	&EFS/R18.2	1	Labeling	62-793502
=7_0-X28	&EFS/R18.2	1	Terminal	62-280837
=7_1-A28	&EFS/R18.1	1	Ethernet converter	36-0743
=7_1-A29	&EFS/R6.6	1	Patch panel	42-4130
=7_1-W927	&EFS/R6.6	1	Fiber optic cable	16-61206
=10_2-Q10	&EFS/D2.1	1	Power circuit breaker	60-005393
=10_3-X40	&EFS/D2.9	2	End plate	62-264369
=10_3-X40	&EFS/D2.9	2	Feed-through terminal	62-091315
=10_3-X40	&EFS/D2.9	4	End clamp	62-2994
=10_3-X40	&EFS/D2.9	2	Labeling	62-5715
=10_3-X40	&EFS/D2.10	1	Labeling	62-793502
=11_0-X101	&EFS/R7.1	1	Termination connector	43-9389
=11_1-A20	&EFS/R10.1	1	String Monitor Controller	SCSMC-20.GR1
=11_1-A21	&EFS/R11.1	1	Repeater	SMU8-HUB
=11_1-A22	&EFS/R11.6	1	Repeater	SMU8-HUB
=11_1-X100	&EFS/R11.9	1	Termination connector	43-9389
=11_1-X717	&EFS/R10.7	1	Adapter	95-530063
=11_1-X718	&EFS/R10.4	1	Adapter	95-530063
=11_2-A20	&EFS/R12.1	1	String Monitor Controller	SCSMC-20.GR1
=11_2-A21	&EFS/R13.1	1	Repeater	SMU8-HUB
=11_2-A22	&EFS/R13.6	1	Repeater	SMU8-HUB
=11_2-A23	&EFS/R14.1	1	Repeater	SMU8-HUB
=11_2-X100	&EFS/R14.5	1	Termination connector	43-9389
=11_2-X717	&EFS/R12.7	1	Adapter	95-530063
=11_2-X718	&EFS/R12.4	1	Adapter	95-530063
=14_4-K26	&EFS/M31.8	1	Relay	60-154050

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=14_4-K26	&EFS/M31.8	1	Insulating plate	60-154810
=14_4-X760	&EFS/M31.7	2	2-conductor/2-pin receptacle terminal 4 mm²	62-769171
=14_4-X760	&EFS/M31.7	1	Multipoint connector	62-769102022
=14_4-X760	&EFS/M31.7	1	End clamp 6mm	62-2993
=14_4-X760	&EFS/M31.7	1	Group label holder	62-249120
=14_4-X760	&EFS/M31.7	1	End plate	62-769304
=14_4-X760	&EFS/M31.7	1	Labeling	62-5715
=A1-F101	&EFS/E7.3	1	LV/HRC fuse 200 A	61-0159455
=A1-F102	&EFS/E7.4	1	LV/HRC fuse 200 A	61-0159455
=A1-F103	&EFS/E7.5	1	LV/HRC fuse 200 A	61-0159455
=A1-F104	&EFS/E7.5	1	LV/HRC fuse 200 A	61-0159455
=A1-F105	&EFS/E7.6	1	LV/HRC fuse 200 A	61-0159455
=A1-F106	&EFS/E7.7	1	LV/HRC fuse 200 A	61-0159455
=A1-F107	&EFS/E7.8	1	LV/HRC fuse 200 A	61-0159455
=A1-F108	&EFS/E7.8	1	LV/HRC fuse 200 A	61-0159455
=A1-F109	&EFS/E7.9	1	LV/HRC fuse 200 A	61-0159455
=A1-F201	&EFS/E7.3	1	LV/HRC fuse 200 A	61-0159455
=A1-F202	&EFS/E7.4	1	LV/HRC fuse 200 A	61-0159455
=A1-F203	&EFS/E7.5	1	LV/HRC fuse 200 A	61-0159455
=A1-F204	&EFS/E7.5	1	LV/HRC fuse 200 A	61-0159455
=A1-F205	&EFS/E7.6	1	LV/HRC fuse 200 A	61-0159455
=A1-F206	&EFS/E7.7	1	LV/HRC fuse 200 A	61-0159455
=A1-F207	&EFS/E7.8	1	LV/HRC fuse 200 A	61-0159455
=A1-F208	&EFS/E7.8	1	LV/HRC fuse 200 A	61-0159455
=A1-F209	&EFS/E7.9	1	LV/HRC fuse 200 A	61-0159455
=A2-F101	&EFS/E7.3	1	LV/HRC fuse 250 A	61-015945
=A2-F102	&EFS/E7.4	1	LV/HRC fuse 250 A	61-015945

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=A2-F103	&EFS/E7.5	1	LV/HRC fuse 250 A	61-015945
=A2-F104	&EFS/E7.5	1	LV/HRC fuse 250 A	61-015945
=A2-F105	&EFS/E7.6	1	LV/HRC fuse 250 A	61-015945
=A2-F106	&EFS/E7.7	1	LV/HRC fuse 250 A	61-015945
=A2-F107	&EFS/E7.8	1	LV/HRC fuse 250 A	61-015945
=A2-F108	&EFS/E7.8	1	LV/HRC fuse 250 A	61-015945
=A2-F109	&EFS/E7.9	1	LV/HRC fuse 250 A	61-015945
=A2-F201	&EFS/E7.3	1	LV/HRC fuse 250 A	61-015945
=A2-F202	&EFS/E7.4	1	LV/HRC fuse 250 A	61-015945
=A2-F203	&EFS/E7.5	1	LV/HRC fuse 250 A	61-015945
=A2-F204	&EFS/E7.5	1	LV/HRC fuse 250 A	61-015945
=A2-F205	&EFS/E7.6	1	LV/HRC fuse 250 A	61-015945
=A2-F206	&EFS/E7.7	1	LV/HRC fuse 250 A	61-015945
=A2-F207	&EFS/E7.8	1	LV/HRC fuse 250 A	61-015945
=A2-F208	&EFS/E7.8	1	LV/HRC fuse 250 A	61-015945
=A2-F209	&EFS/E7.9	1	LV/HRC fuse 250 A	61-015945
=A3-F101	&EFS/E7.3	1	LV/HRC fuse 315 A	61-015950
=A3-F102	&EFS/E7.4	1	LV/HRC fuse 315 A	61-015950
=A3-F103	&EFS/E7.5	1	LV/HRC fuse 315 A	61-015950
=A3-F104	&EFS/E7.5	1	LV/HRC fuse 315 A	61-015950
=A3-F105	&EFS/E7.6	1	LV/HRC fuse 315 A	61-015950
=A3-F106	&EFS/E7.7	1	LV/HRC fuse 315 A	61-015950
=A3-F107	&EFS/E7.8	1	LV/HRC fuse 315 A	61-015950
=A3-F201	&EFS/E7.3	1	LV/HRC fuse 315 A	61-015950
=A3-F202	&EFS/E7.4	1	LV/HRC fuse 315 A	61-015950
=A3-F203	&EFS/E7.5	1	LV/HRC fuse 315 A	61-015950
=A3-F204	&EFS/E7.5	1	LV/HRC fuse 315 A	61-015950

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=A3-F205	&EFS/E7.6	1	LV/HRC fuse 315 A	61-015950
=A3-F206	&EFS/E7.7	1	LV/HRC fuse 315 A	61-015950
=A3-F207	&EFS/E7.8	1	LV/HRC fuse 315 A	61-015950
=A4-F101	&EFS/E7.3	1	LV/HRC fuse 400 A	61-015960
=A4-F102	&EFS/E7.4	1	LV/HRC fuse 400 A	61-015960
=A4-F103	&EFS/E7.5	1	LV/HRC fuse 400 A	61-015960
=A4-F104	&EFS/E7.5	1	LV/HRC fuse 400 A	61-015960
=A4-F105	&EFS/E7.6	1	LV/HRC fuse 400 A	61-015960
=A4-F106	&EFS/E7.7	1	LV/HRC fuse 400 A	61-015960
=A4-F201	&EFS/E7.3	1	LV/HRC fuse 400 A	61-015960
=A4-F202	&EFS/E7.4	1	LV/HRC fuse 400 A	61-015960
=A4-F203	&EFS/E7.5	1	LV/HRC fuse 400 A	61-015960
=A4-F204	&EFS/E7.5	1	LV/HRC fuse 400 A	61-015960
=A4-F205	&EFS/E7.6	1	LV/HRC fuse 400 A	61-015960
=A4-F206	&EFS/E7.7	1	LV/HRC fuse 400 A	61-015960
=A5-F101	&EFS/E7.3	1	LV/HRC fuse 125 A	61-0159456
=A5-F102	&EFS/E7.4	1	LV/HRC fuse 125 A	61-0159456
=A5-F103	&EFS/E7.5	1	LV/HRC fuse 125 A	61-0159456
=A5-F104	&EFS/E7.5	1	LV/HRC fuse 125 A	61-0159456
=A5-F105	&EFS/E7.6	1	LV/HRC fuse 125 A	61-0159456
=A5-F106	&EFS/E7.7	1	LV/HRC fuse 125 A	61-0159456
=A5-F107	&EFS/E7.8	1	LV/HRC fuse 125 A	61-0159456
=A5-F108	&EFS/E7.8	1	LV/HRC fuse 125 A	61-0159456
=A5-F109	&EFS/E7.9	1	LV/HRC fuse 125 A	61-0159456
=A5-F201	&EFS/E7.3	1	LV/HRC fuse 125 A	61-0159456
=A5-F202	&EFS/E7.4	1	LV/HRC fuse 125 A	61-0159456
=A5-F203	&EFS/E7.5	1	LV/HRC fuse 125 A	61-0159456

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=A5-F204	&EFS/E7.5	1	LV/HRC fuse 125 A	61-0159456
=A5-F205	&EFS/E7.6	1	LV/HRC fuse 125 A	61-0159456
=A5-F206	&EFS/E7.7	1	LV/HRC fuse 125 A	61-0159456
=A5-F207	&EFS/E7.8	1	LV/HRC fuse 125 A	61-0159456
=A5-F208	&EFS/E7.8	1	LV/HRC fuse 125 A	61-0159456
=A5-F209	&EFS/E7.9	1	LV/HRC fuse 125 A	61-0159456
=A6-F101	&EFS/E7.3	1	LV/HRC fuse 160 A	61-0159457
=A6-F102	&EFS/E7.4	1	LV/HRC fuse 160 A	61-0159457
=A6-F103	&EFS/E7.5	1	LV/HRC fuse 160 A	61-0159457
=A6-F104	&EFS/E7.5	1	LV/HRC fuse 160 A	61-0159457
=A6-F105	&EFS/E7.6	1	LV/HRC fuse 160 A	61-0159457
=A6-F106	&EFS/E7.7	1	LV/HRC fuse 160 A	61-0159457
=A6-F107	&EFS/E7.8	1	LV/HRC fuse 160 A	61-0159457
=A6-F108	&EFS/E7.8	1	LV/HRC fuse 160 A	61-0159457
=A6-F109	&EFS/E7.9	1	LV/HRC fuse 160 A	61-0159457
=A6-F201	&EFS/E7.3	1	LV/HRC fuse 160 A	61-0159457
=A6-F202	&EFS/E7.4	1	LV/HRC fuse 160 A	61-0159457
=A6-F203	&EFS/E7.5	1	LV/HRC fuse 160 A	61-0159457
=A6-F204	&EFS/E7.5	1	LV/HRC fuse 160 A	61-0159457
=A6-F205	&EFS/E7.6	1	LV/HRC fuse 160 A	61-0159457
=A6-F206	&EFS/E7.7	1	LV/HRC fuse 160 A	61-0159457
=A6-F207	&EFS/E7.8	1	LV/HRC fuse 160 A	61-0159457
=A6-F208	&EFS/E7.8	1	LV/HRC fuse 160 A	61-0159457
=A6-F209	&EFS/E7.9	1	LV/HRC fuse 160 A	61-0159457
=B1-F101	&EFS/E8.3	1	LV/HRC fuse 200 A	61-0159455
=B1-F102	&EFS/E8.4	1	LV/HRC fuse 200 A	61-0159455
=B1-F103	&EFS/E8.5	1	LV/HRC fuse 200 A	61-0159455

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=B1-F104	&EFS/E8.5	1	LV/HRC fuse 200 A	61-0159455
=B1-F105	&EFS/E8.6	1	LV/HRC fuse 200 A	61-0159455
=B1-F106	&EFS/E8.7	1	LV/HRC fuse 200 A	61-0159455
=B1-F107	&EFS/E8.8	1	LV/HRC fuse 200 A	61-0159455
=B1-F108	&EFS/E8.8	1	LV/HRC fuse 200 A	61-0159455
=B1-F109	&EFS/E8.9	1	LV/HRC fuse 200 A	61-0159455
=B1-F201	&EFS/E8.3	1	Disconnect knife	61-014021
=B1-F202	&EFS/E8.4	1	Disconnect knife	61-014021
=B1-F203	&EFS/E8.5	1	Disconnect knife	61-014021
=B1-F204	&EFS/E8.5	1	Disconnect knife	61-014021
=B1-F205	&EFS/E8.6	1	Disconnect knife	61-014021
=B1-F206	&EFS/E8.7	1	Disconnect knife	61-014021
=B1-F207	&EFS/E8.8	1	Disconnect knife	61-014021
=B1-F208	&EFS/E8.8	1	Disconnect knife	61-014021
=B1-F209	&EFS/E8.9	1	Disconnect knife	61-014021
=B2-F101	&EFS/E8.3	1	LV/HRC fuse 250 A	61-015945
=B2-F102	&EFS/E8.4	1	LV/HRC fuse 250 A	61-015945
=B2-F103	&EFS/E8.5	1	LV/HRC fuse 250 A	61-015945
=B2-F104	&EFS/E8.5	1	LV/HRC fuse 250 A	61-015945
=B2-F105	&EFS/E8.6	1	LV/HRC fuse 250 A	61-015945
=B2-F106	&EFS/E8.7	1	LV/HRC fuse 250 A	61-015945
=B2-F107	&EFS/E8.8	1	LV/HRC fuse 250 A	61-015945
=B2-F108	&EFS/E8.8	1	LV/HRC fuse 250 A	61-015945
=B2-F109	&EFS/E8.9	1	LV/HRC fuse 250 A	61-015945
=B2-F201	&EFS/E8.3	1	Disconnect knife	61-014021
=B2-F202	&EFS/E8.4	1	Disconnect knife	61-014021
=B2-F203	&EFS/E8.5	1	Disconnect knife	61-014021

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=B2-F204	&EFS/E8.5	1	Disconnect knife	61-014021
=B2-F205	&EFS/E8.6	1	Disconnect knife	61-014021
=B2-F206	&EFS/E8.7	1	Disconnect knife	61-014021
=B2-F207	&EFS/E8.8	1	Disconnect knife	61-014021
=B2-F208	&EFS/E8.8	1	Disconnect knife	61-014021
=B2-F209	&EFS/E8.9	1	Disconnect knife	61-014021
=B3-F101	&EFS/E8.3	1	LV/HRC fuse 315 A	61-015950
=B3-F102	&EFS/E8.4	1	LV/HRC fuse 315 A	61-015950
=B3-F103	&EFS/E8.5	1	LV/HRC fuse 315 A	61-015950
=B3-F104	&EFS/E8.5	1	LV/HRC fuse 315 A	61-015950
=B3-F105	&EFS/E8.6	1	LV/HRC fuse 315 A	61-015950
=B3-F106	&EFS/E8.7	1	LV/HRC fuse 315 A	61-015950
=B3-F107	&EFS/E8.8	1	LV/HRC fuse 315 A	61-015950
=B3-F201	&EFS/E8.3	1	Disconnect knife	61-014021
=B3-F202	&EFS/E8.4	1	Disconnect knife	61-014021
=B3-F203	&EFS/E8.5	1	Disconnect knife	61-014021
=B3-F204	&EFS/E8.5	1	Disconnect knife	61-014021
=B3-F205	&EFS/E8.6	1	Disconnect knife	61-014021
=B3-F206	&EFS/E8.7	1	Disconnect knife	61-014021
=B3-F207	&EFS/E8.8	1	Disconnect knife	61-014021
=B4-F101	&EFS/E8.3	1	LV/HRC fuse 400 A	61-015960
=B4-F102	&EFS/E8.4	1	LV/HRC fuse 400 A	61-015960
=B4-F103	&EFS/E8.5	1	LV/HRC fuse 400 A	61-015960
=B4-F104	&EFS/E8.5	1	LV/HRC fuse 400 A	61-015960
=B4-F105	&EFS/E8.6	1	LV/HRC fuse 400 A	61-015960
=B4-F106	&EFS/E8.7	1	LV/HRC fuse 400 A	61-015960
=B4-F201	&EFS/E8.3	1	Disconnect knife	61-014021



Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=B4-F202	&EFS/E8.4	1	Disconnect knife	61-014021
=B4-F203	&EFS/E8.5	1	Disconnect knife	61-014021
=B4-F204	&EFS/E8.5	1	Disconnect knife	61-014021
=B4-F205	&EFS/E8.6	1	Disconnect knife	61-014021
=B4-F206	&EFS/E8.7	1	Disconnect knife	61-014021
=B5-F101	&EFS/E8.3	1	LV/HRC fuse 125 A	61-0159456
=B5-F102	&EFS/E8.4	1	LV/HRC fuse 125 A	61-0159456
=B5-F103	&EFS/E8.5	1	LV/HRC fuse 125 A	61-0159456
=B5-F104	&EFS/E8.5	1	LV/HRC fuse 125 A	61-0159456
=B5-F105	&EFS/E8.6	1	LV/HRC fuse 125 A	61-0159456
=B5-F106	&EFS/E8.7	1	LV/HRC fuse 125 A	61-0159456
=B5-F107	&EFS/E8.8	1	LV/HRC fuse 125 A	61-0159456
=B5-F108	&EFS/E8.8	1	LV/HRC fuse 125 A	61-0159456
=B5-F109	&EFS/E8.9	1	LV/HRC fuse 125 A	61-0159456
=B5-F201	&EFS/E8.3	1	Disconnect knife	61-014021
=B5-F202	&EFS/E8.4	1	Disconnect knife	61-014021
=B5-F203	&EFS/E8.5	1	Disconnect knife	61-014021
=B5-F204	&EFS/E8.5	1	Disconnect knife	61-014021
=B5-F205	&EFS/E8.6	1	Disconnect knife	61-014021
=B5-F206	&EFS/E8.7	1	Disconnect knife	61-014021
=B5-F207	&EFS/E8.8	1	Disconnect knife	61-014021
=B5-F208	&EFS/E8.8	1	Disconnect knife	61-014021
=B5-F209	&EFS/E8.9	1	Disconnect knife	61-014021
=B6-F101	&EFS/E8.3	1	LV/HRC fuse 160 A	61-0159457
=B6-F102	&EFS/E8.4	1	LV/HRC fuse 160 A	61-0159457
=B6-F103	&EFS/E8.5	1	LV/HRC fuse 160 A	61-0159457
=B6-F104	&EFS/E8.5	1	LV/HRC fuse 160 A	61-0159457



Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=B6-F105	&EFS/E8.6	1	LV/HRC fuse 160 A	61-0159457
=B6-F106	&EFS/E8.7	1	LV/HRC fuse 160 A	61-0159457
=B6-F107	&EFS/E8.8	1	LV/HRC fuse 160 A	61-0159457
=B6-F108	&EFS/E8.8	1	LV/HRC fuse 160 A	61-0159457
=B6-F109	&EFS/E8.9	1	LV/HRC fuse 160 A	61-0159457
=B6-F201	&EFS/E8.3	1	Disconnect knife	61-014021
=B6-F202	&EFS/E8.4	1	Disconnect knife	61-014021
=B6-F203	&EFS/E8.5	1	Disconnect knife	61-014021
=B6-F204	&EFS/E8.5	1	Disconnect knife	61-014021
=B6-F205	&EFS/E8.6	1	Disconnect knife	61-014021
=B6-F206	&EFS/E8.7	1	Disconnect knife	61-014021
=B6-F207	&EFS/E8.8	1	Disconnect knife	61-014021
=B6-F208	&EFS/E8.8	1	Disconnect knife	61-014021
=B6-F209	&EFS/E8.9	1	Disconnect knife	61-014021
=C1-F101	&EFS/E9.3	1	Disconnect knife	61-014021
=C1-F102	&EFS/E9.4	1	Disconnect knife	61-014021
=C1-F103	&EFS/E9.5	1	Disconnect knife	61-014021
=C1-F104	&EFS/E9.5	1	Disconnect knife	61-014021
=C1-F105	&EFS/E9.6	1	Disconnect knife	61-014021
=C1-F106	&EFS/E9.7	1	Disconnect knife	61-014021
=C1-F107	&EFS/E9.8	1	Disconnect knife	61-014021
=C1-F108	&EFS/E9.8	1	Disconnect knife	61-014021
=C1-F109	&EFS/E9.9	1	Disconnect knife	61-014021
=C1-F201	&EFS/E9.3	1	Fuse 250A	61-0201521
=C1-F202	&EFS/E9.4	1	Fuse 250A	61-0201521
=C1-F203	&EFS/E9.5	1	Fuse 250A	61-0201521
=C1-F204	&EFS/E9.5	1	Fuse 250A	61-0201521

# Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=C1-F205	&EFS/E9.6	1	Fuse 250A	61-0201521
=C1-F206	&EFS/E9.7	1	Fuse 250A	61-0201521
=C1-F207	&EFS/E9.8	1	Fuse 250A	61-0201521
=C1-F208	&EFS/E9.8	1	Fuse 250A	61-0201521
=C1-F209	&EFS/E9.9	1	Fuse 250A	61-0201521
=C2-F101	&EFS/E9.3	1	Disconnect knife	61-014021
=C2-F102	&EFS/E9.4	1	Disconnect knife	61-014021
=C2-F103	&EFS/E9.5	1	Disconnect knife	61-014021
=C2-F104	&EFS/E9.5	1	Disconnect knife	61-014021
=C2-F105	&EFS/E9.6	1	Disconnect knife	61-014021
=C2-F106	&EFS/E9.7	1	Disconnect knife	61-014021
=C2-F107	&EFS/E9.8	1	Disconnect knife	61-014021
=C2-F108	&EFS/E9.8	1	Disconnect knife	61-014021
=C2-F109	&EFS/E9.9	1	Disconnect knife	61-014021
=C2-F201	&EFS/E9.3	1	Fuse 250A	61-0201521
=C2-F202	&EFS/E9.4	1	Fuse 250A	61-0201521
=C2-F203	&EFS/E9.5	1	Fuse 250A	61-0201521
=C2-F204	&EFS/E9.5	1	Fuse 250A	61-0201521
=C2-F205	&EFS/E9.6	1	Fuse 250A	61-0201521
=C2-F206	&EFS/E9.7	1	Fuse 250A	61-0201521
=C2-F207	&EFS/E9.8	1	Fuse 250A	61-0201521
=C2-F208	&EFS/E9.8	1	Fuse 250A	61-0201521
=C2-F209	&EFS/E9.9	1	Fuse 250A	61-0201521
=C3-F101	&EFS/E9.3	1	Disconnect knife	61-014021
=C3-F102	&EFS/E9.4	1	Disconnect knife	61-014021
=C3-F103	&EFS/E9.5	1	Disconnect knife	61-014021
=C3-F104	&EFS/E9.5	1	Disconnect knife	61-014021

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=C3-F105	&EFS/E9.6	1	Disconnect knife	61-014021
=C3-F106	&EFS/E9.7	1	Disconnect knife	61-014021
=C3-F107	&EFS/E9.8	1	Disconnect knife	61-014021
=C3-F201	&EFS/E9.3	1	Fuse 250A	61-0201521
=C3-F202	&EFS/E9.4	1	Fuse 250A	61-0201521
=C3-F203	&EFS/E9.5	1	Fuse 250A	61-0201521
=C3-F204	&EFS/E9.5	1	Fuse 250A	61-0201521
=C3-F205	&EFS/E9.6	1	Fuse 250A	61-0201521
=C3-F206	&EFS/E9.7	1	Fuse 250A	61-0201521
=C3-F207	&EFS/E9.8	1	Fuse 250A	61-0201521
=C4-F101	&EFS/E9.3	1	Disconnect knife	61-014021
=C4-F102	&EFS/E9.4	1	Disconnect knife	61-014021
=C4-F103	&EFS/E9.5	1	Disconnect knife	61-014021
=C4-F104	&EFS/E9.5	1	Disconnect knife	61-014021
=C4-F105	&EFS/E9.6	1	Disconnect knife	61-014021
=C4-F106	&EFS/E9.7	1	Disconnect knife	61-014021
=C4-F201	&EFS/E9.3	1	Fuse 250A	61-0201521
=C4-F202	&EFS/E9.4	1	Fuse 250A	61-0201521
=C4-F203	&EFS/E9.5	1	Fuse 250A	61-0201521
=C4-F204	&EFS/E9.5	1	Fuse 250A	61-0201521
=C4-F205	&EFS/E9.6	1	Fuse 250A	61-0201521
=C4-F206	&EFS/E9.7	1	Fuse 250A	61-0201521
=C5-F101	&EFS/E9.3	1	Disconnect knife	61-014021
=C5-F102	&EFS/E9.4	1	Disconnect knife	61-014021
=C5-F103	&EFS/E9.5	1	Disconnect knife	61-014021
=C5-F104	&EFS/E9.5	1	Disconnect knife	61-014021
=C5-F105	&EFS/E9.6	1	Disconnect knife	61-014021

Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=C5-F106	&EFS/E9.7	1	Disconnect knife	61-014021
=C5-F107	&EFS/E9.8	1	Disconnect knife	61-014021
=C5-F108	&EFS/E9.8	1	Disconnect knife	61-014021
=C5-F109	&EFS/E9.9	1	Disconnect knife	61-014021
=C5-F201	&EFS/E9.3	1	Fuse 250A	61-0201521
=C5-F202	&EFS/E9.4	1	Fuse 250A	61-0201521
=C5-F203	&EFS/E9.5	1	Fuse 250A	61-0201521
=C5-F204	&EFS/E9.5	1	Fuse 250A	61-0201521
=C5-F205	&EFS/E9.6	1	Fuse 250A	61-0201521
=C5-F206	&EFS/E9.7	1	Fuse 250A	61-0201521
=C5-F207	&EFS/E9.8	1	Fuse 250A	61-0201521
=C5-F208	&EFS/E9.8	1	Fuse 250A	61-0201521
=C5-F209	&EFS/E9.9	1	Fuse 250A	61-0201521
=C6-F101	&EFS/E9.3	1	Disconnect knife	61-014021
=C6-F102	&EFS/E9.4	1	Disconnect knife	61-014021
=C6-F103	&EFS/E9.5	1	Disconnect knife	61-014021
=C6-F104	&EFS/E9.5	1	Disconnect knife	61-014021
=C6-F105	&EFS/E9.6	1	Disconnect knife	61-014021
=C6-F106	&EFS/E9.7	1	Disconnect knife	61-014021
=C6-F107	&EFS/E9.8	1	Disconnect knife	61-014021
=C6-F108	&EFS/E9.8	1	Disconnect knife	61-014021
=C6-F109	&EFS/E9.9	1	Disconnect knife	61-014021
=C6-F201	&EFS/E9.3	1	Fuse 250A	61-0201521
=C6-F202	&EFS/E9.4	1	Fuse 250A	61-0201521
=C6-F203	&EFS/E9.5	1	Fuse 250A	61-0201521
=C6-F204	&EFS/E9.5	1	Fuse 250A	61-0201521
=C6-F205	&EFS/E9.6	1	Fuse 250A	61-0201521

# Device tag list

Reference attributes	Placement	Quantity	Designation	Part number
=C6-F206	&EFS/E9.7	1	Fuse 250A	61-0201521
=C6-F207	&EFS/E9.8	1	Fuse 250A	61-0201521
=C6-F208	&EFS/E9.8	1	Fuse 250A	61-0201521
=C6-F209	&EFS/E9.9	1	Fuse 250A	61-0201521