

Zuleitung 230 V / Abgänge 230 V

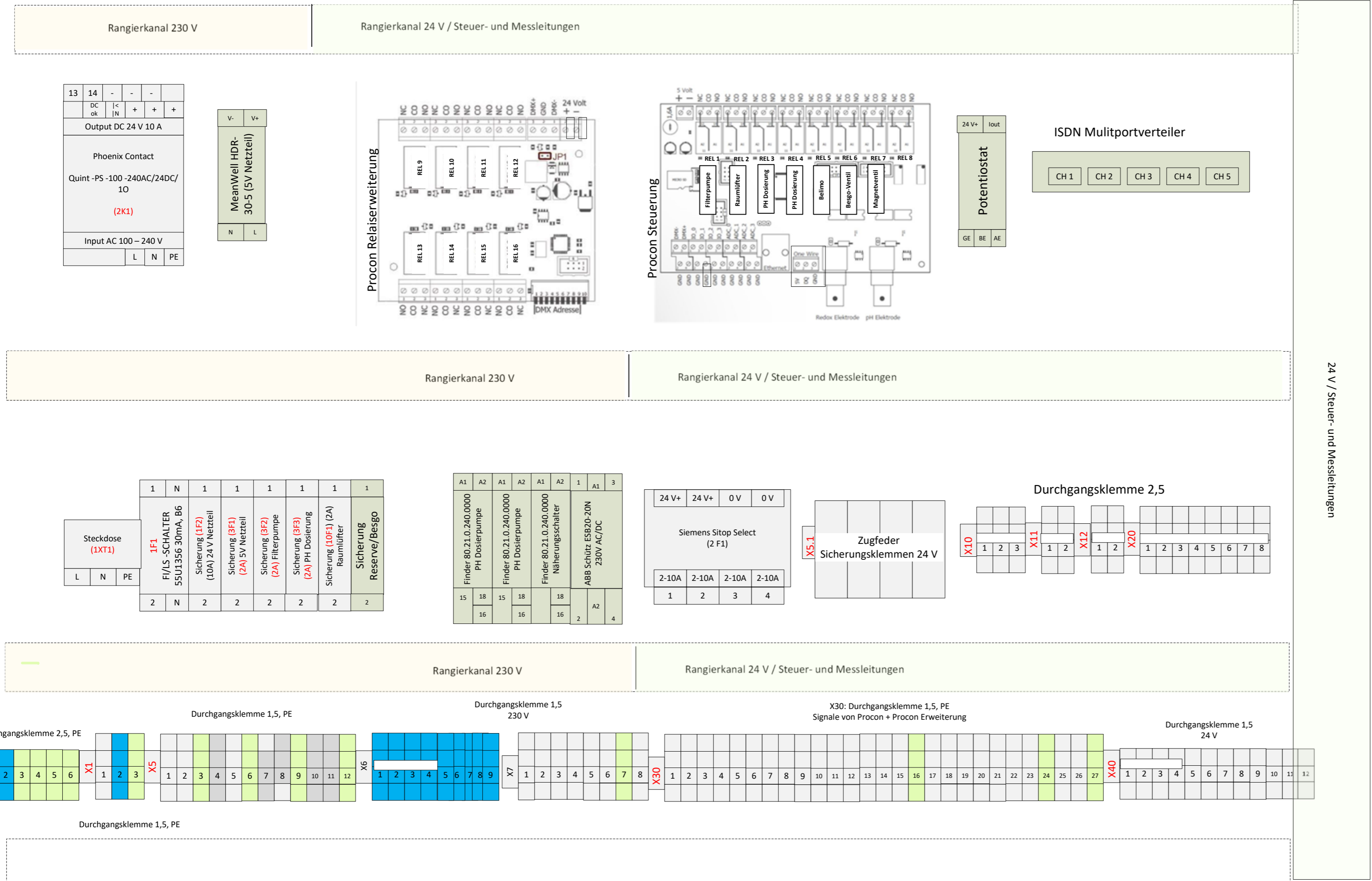
24 V / Steuer- und Messleitungen

Legende

- Neue Elektorkomponenten
- bestehende Elektorkomponenten

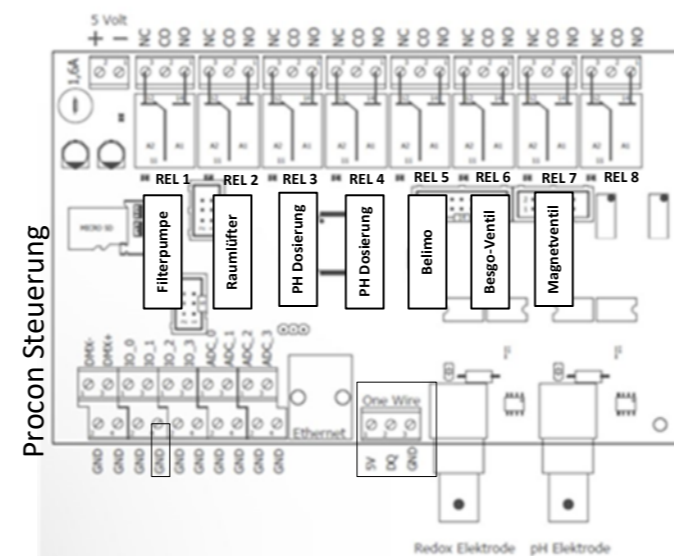
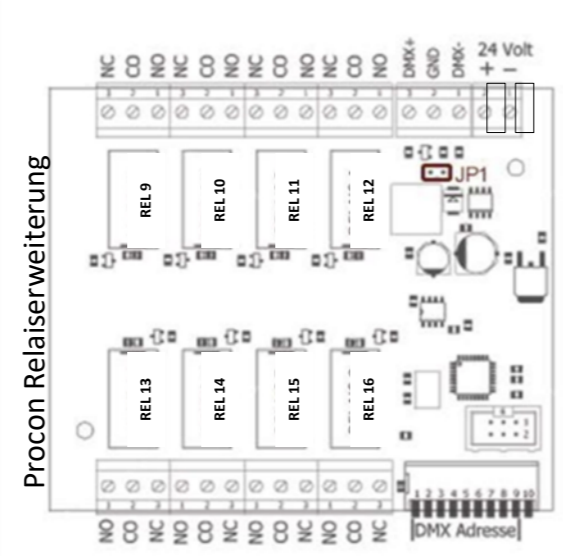
Kabelquerschnitte

- 230 V → 1,5 mm²
- 24 V → 1 mm²
- N/PE Leiter → 1,5 mm²

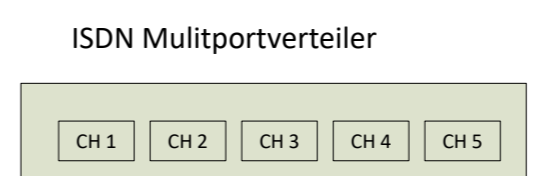


13	14	-	-	-	-
DC ok	+	-	+	+	+
Output DC 24 V 10 A					
Phoenix Contact					
Quint -PS -100 -240AC/24DC/10					
(2K1)					
Input AC 100 – 240 V					
	L	N	PE		

V-	V+
N	L



24 V+	Iout
GE	BE
AE	

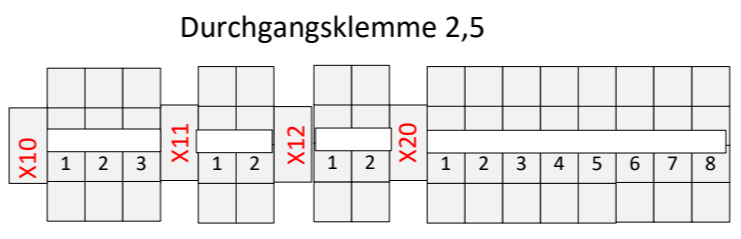


1	N	1	1	1	1	1	1
Steckdose (1XT1)							
F/LS -SCHALTER 55U1356 30mA_B6							
Sicherung (1F2) (10A) 24 V Netzteil							
Sicherung (3F1) (2A) 5V Netzteil							
Sicherung (3F2) (2A) Filterpumpe							
Sicherung (3F3) (2A) PH Dosierung							
Sicherung (10F1) (2A) Raumlüfter							
Sicherung Reserve/Besgo							
2	N	2	2	2	2	2	2

A1	A2	A1	A2	A1	A2	1	A1	3
Finder 60.21.0.240.0000 PH Dosierpumpe								
15	18	15	18	15	18	18	A2	4
16	16	16	16	16	2	2		

24 V+	24 V+	0 V	0 V
Siemens Sitop Select (2 F1)			
2-10A	2-10A	2-10A	2-10A
1	2	3	4

X5.1	Zugfeder
	Sicherungsklemmen 24 V



1	2	3	4	5	6	X1	1	2	3	X5	1	2	3	4	5	6	7	8	9	10	11	12	X6	1	2	3	4	5	6	7	8	9	X7	1	2	3	4	5	6	7	8	X30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	X40	1	2	3	4	5	6	7	8	9	10	11	12
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1	2	3	4	5	6	7	8	9	10	11	12
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
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1	2	3	4	5	6	7	8	9	10	11	12
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Durchgangsklemme 1,5, PE

Durchgangsklemme 1,5, PE

Durchgangsklemme 1,5, PE

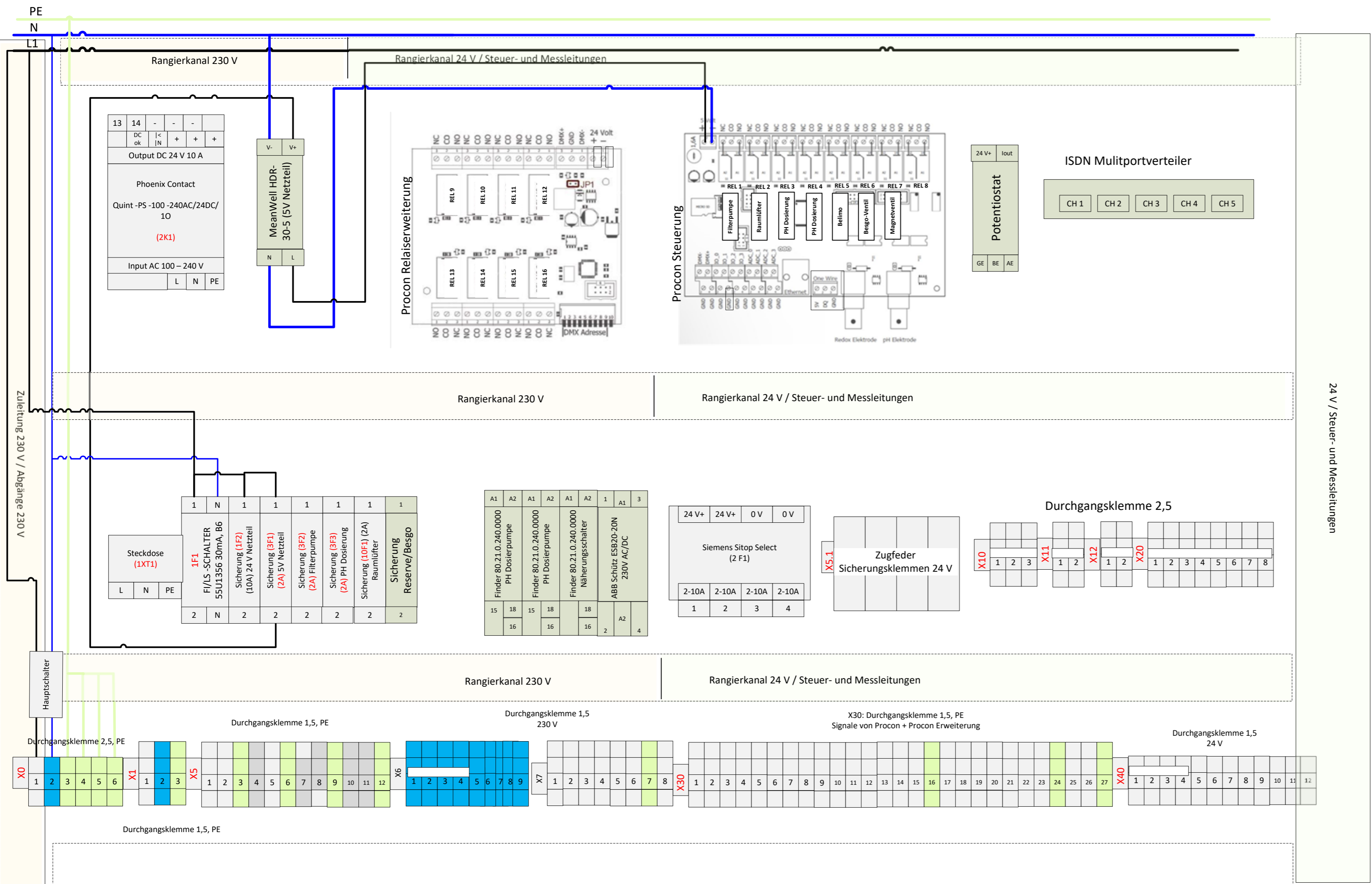
X30: Durchgangsklemme 1,5, PE

Durchgangsklemme 1,5, PE

Durchgangsklemme 1,5, PE

Verdrahtung 24 V Netzteil

Verdrahtung 5 V Netzteil



Legende

- Neue Elektorkomponenten
- bestehende Elektorkomponenten

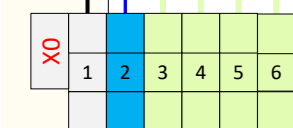
Kabelquerschnitte

230 V → 1,5 mm²
 24 V → 1 mm²
 N/PE Leiter → 1,5 mm²

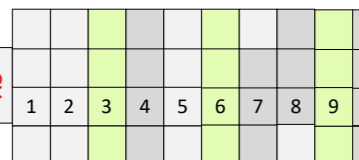
24 V / Steuer- und Messleitungen

Zuführung 230 V / Abgänge 230 V

Durchgangsklemme 2,5, PE

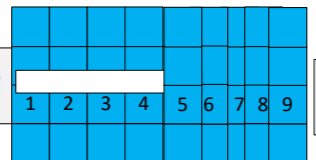


Durchgangsklemme 1,5, PE



Durchgangsklemme 1,5, PE

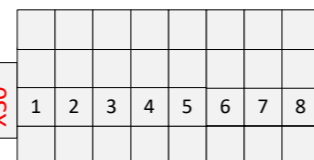
Durchgangsklemme 1,5, 230 V



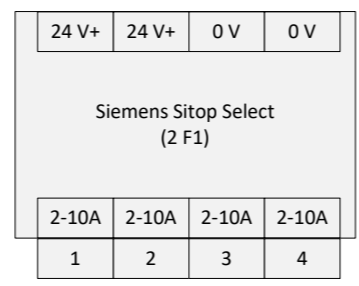
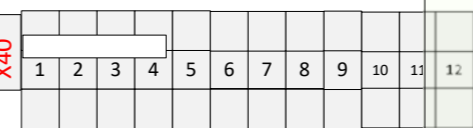
X7



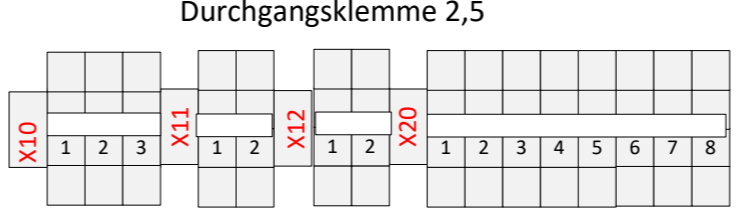
X30: Durchgangsklemme 1,5, PE
Signale von Procon + Procon Erweiterung



Durchgangsklemme 1,5, 24 V



X5.1 Zugfeder
Sicherungsklemmen 24 V



Durchgangsklemme 2,5

Rangierkanal 24 V / Steuer- und Messleitungen

Rangierkanal 230 V

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Rangierkanal 230 V

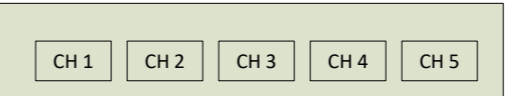
Rangierkanal 24 V / Steuer- und Messleitungen

Procon Relaisweiterung

Procon Steuerung

Potentiostat

ISDN Multportverteiler



Legende

- Neue Elektorkomponenten
- bestehende Elektorkomponenten

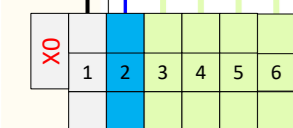
Kabelquerschnitte

230 V → 1,5 mm²
 24 V → 1 mm²
 N/PE Leiter → 1,5 mm²

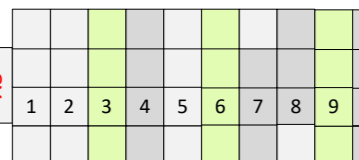
24 V / Steuer- und Messleitungen

Zuführung 230 V / Abgänge 230 V

Durchgangsklemme 2,5, PE

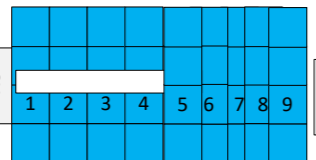


Durchgangsklemme 1,5, PE

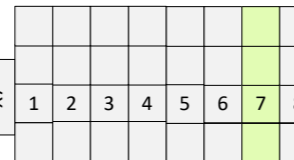


Durchgangsklemme 1,5, PE

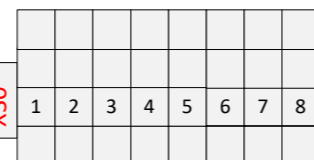
Durchgangsklemme 1,5, 230 V



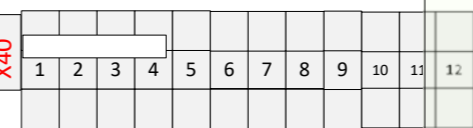
X7



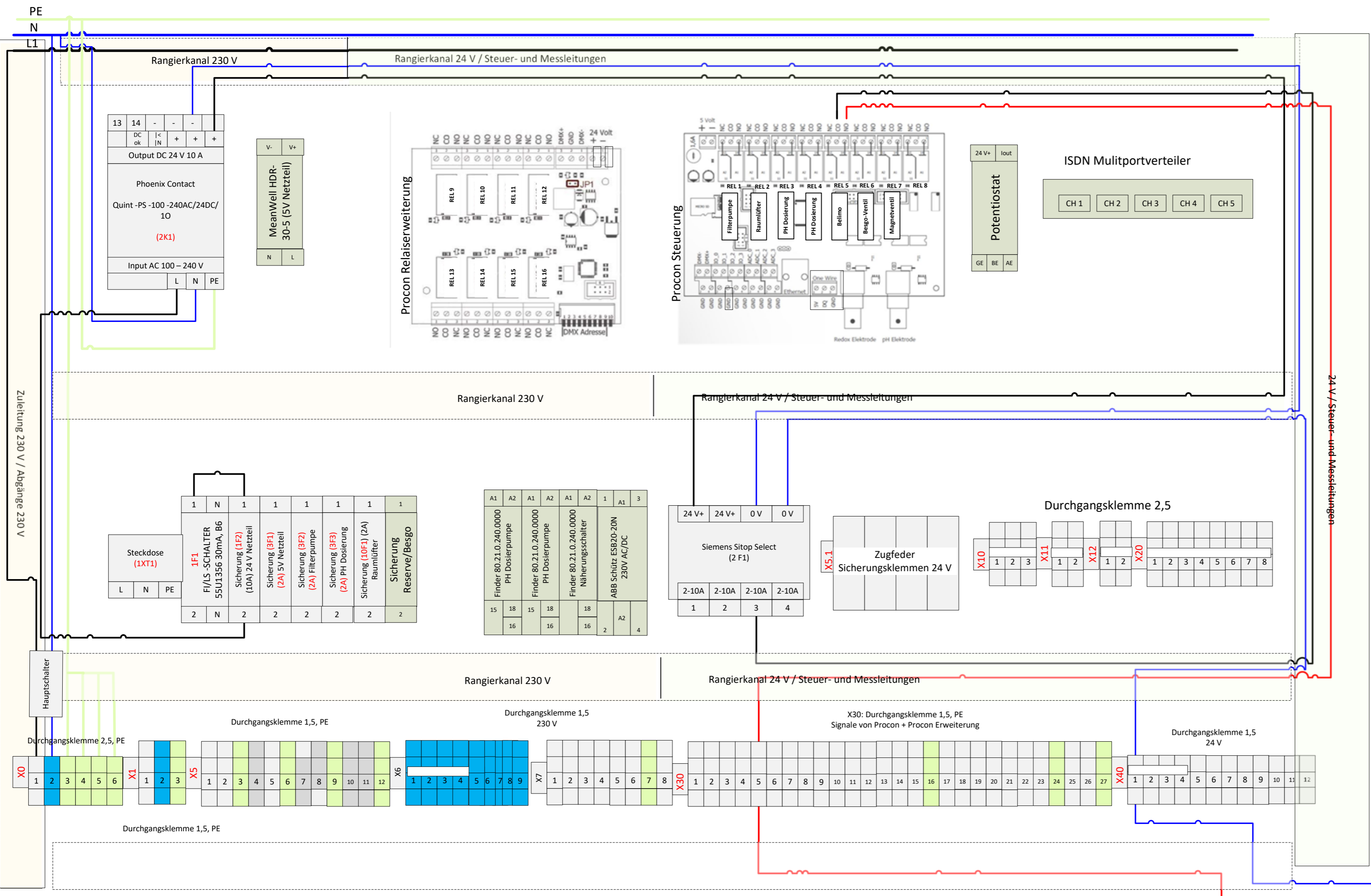
X30: Durchgangsklemme 1,5, PE
Signale von Procon + Procon Erweiterung



Durchgangsklemme 1,5, 24 V



Verdrahtung Belimo (NM24A)



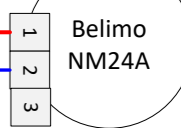
Legende

- Neue Elektorkomponenten
- bestehende Elektorkomponenten

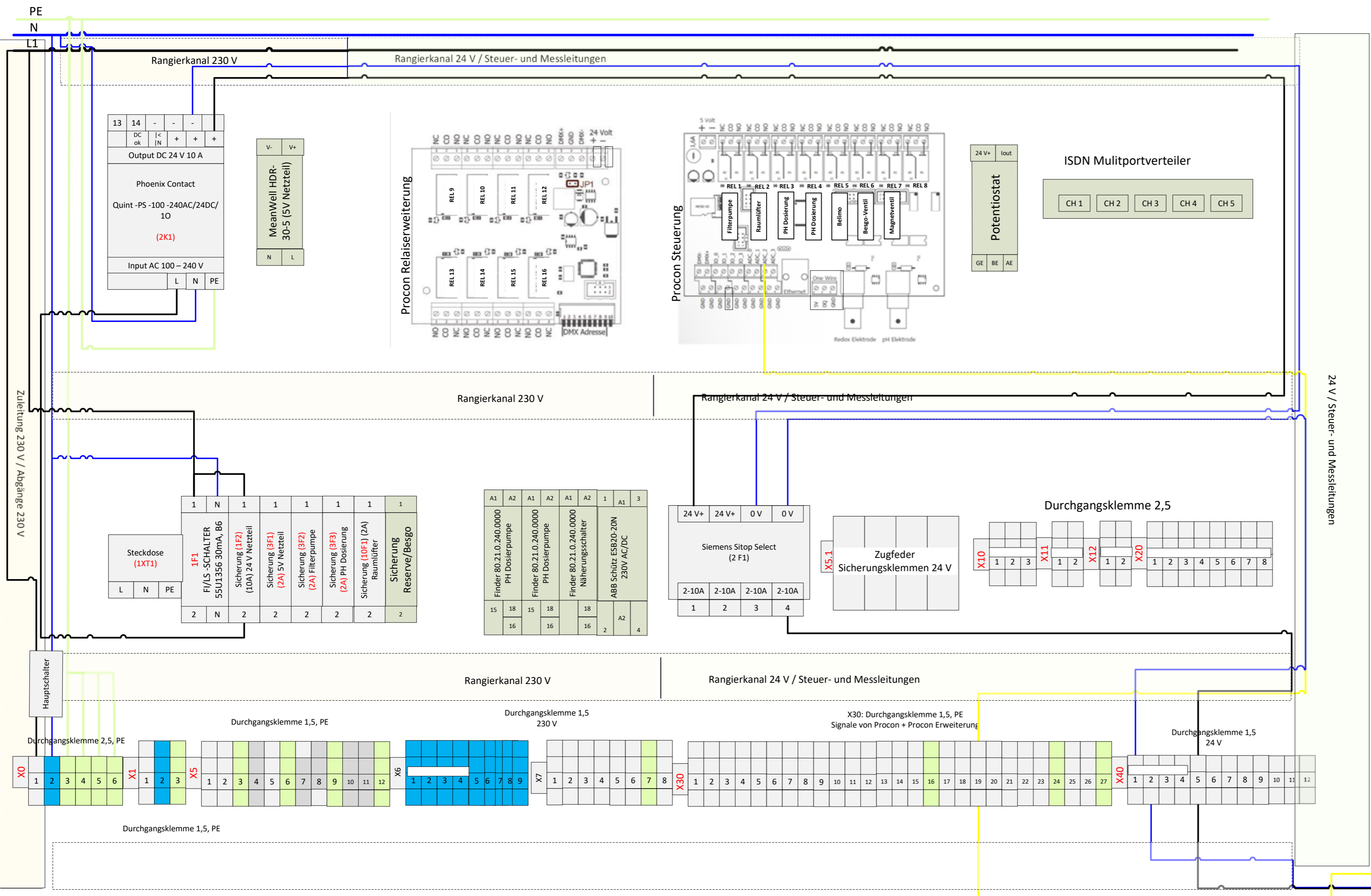
Kabelquerschnitte

230 V → 1,5 mm²
 24 V → 1 mm²
 N/PE Leiter → 1,5 mm²

Kabelfarben Belimo:
 1: schwarz
 2: rot
 3: weiß



Verdrahtung Kesseldruck



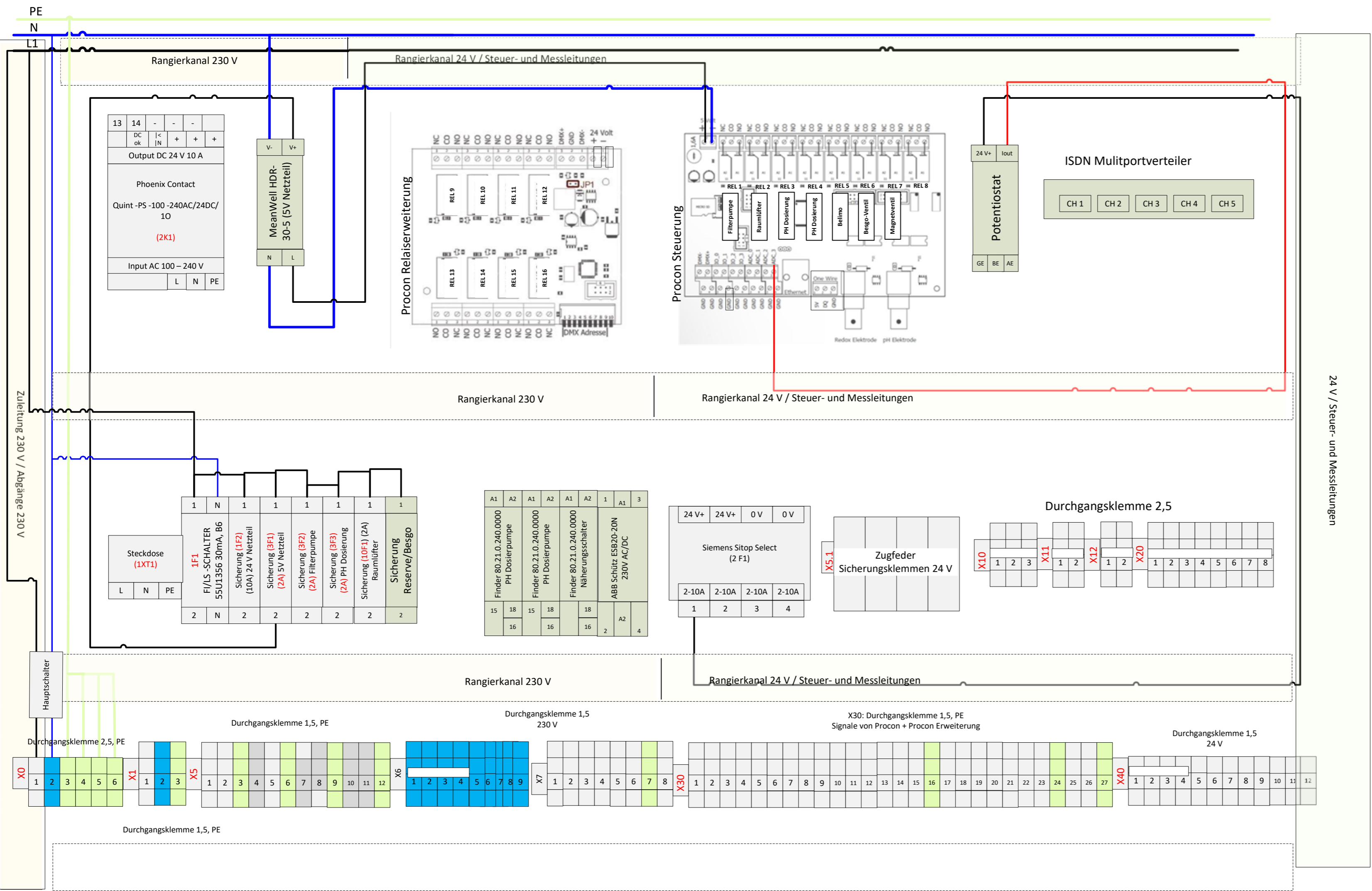
Legende

- Neue Elektorkomponenten
- bestehende Elektorkomponenten

Kabelquerschnitte

230 V → 1,5 mm²
 24 V → 1 mm²
 N/PE Leiter → 1,5 mm²

Verdrahtung Potentiostat



Legende

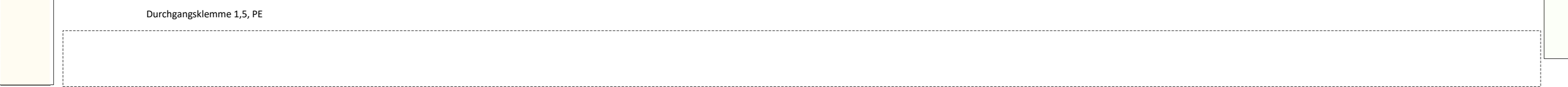
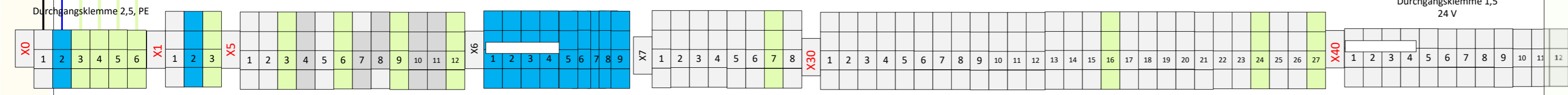
- Neue Elektorkomponenten
- bestehende Elektorkomponenten

Kabelquerschnitte

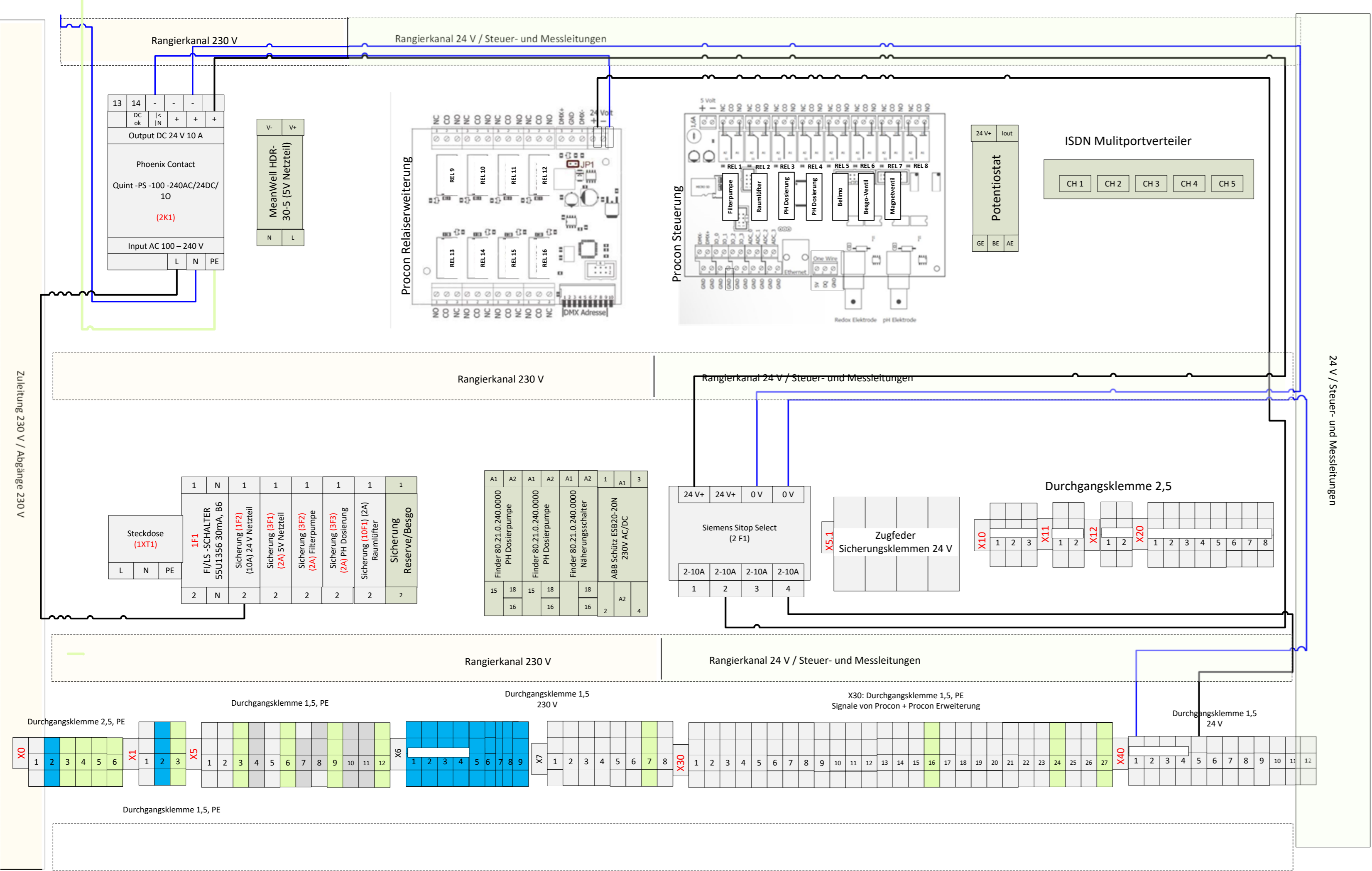
- 230 V → 1,5 mm²
- 24 V → 1 mm²
- N/PE Leiter → 1,5 mm²

Zuleitung 230 V / Abgänge 230 V

24 V / Steuer- und Messleitungen



Verdrahtung Relaiserweiterung + Siemens Sitop



Legende

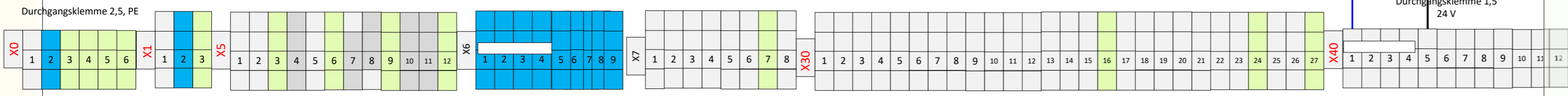
- Neue Elektorkomponenten
- bestehende Elektorkomponenten

Kabelquerschnitte

230 V → 1,5 mm²
 24 V → 1 mm²
 N/PE Leiter → 1,5 mm²

Zuleitung 230 V / Abgänge 230 V

24 V / Steuer- und Messleitungen



1	N	1	1	1	1	1	1
2	N	2	2	2	2	2	2

A1	A2	A1	A2	A1	A2	1	A1	3
15	18	15	18	15	18	16	2	4

24 V+	24 V+	0 V	0 V
1	2	3	4

X10	1	2	3	X11	1	2	X12	1	2	X20	1	2	3	4	5	6	7	8
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OX	1	2	3	4	5	6	X1	1	2	3	X5
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1	2	3	4	5	6	7	8	9	10	11	12
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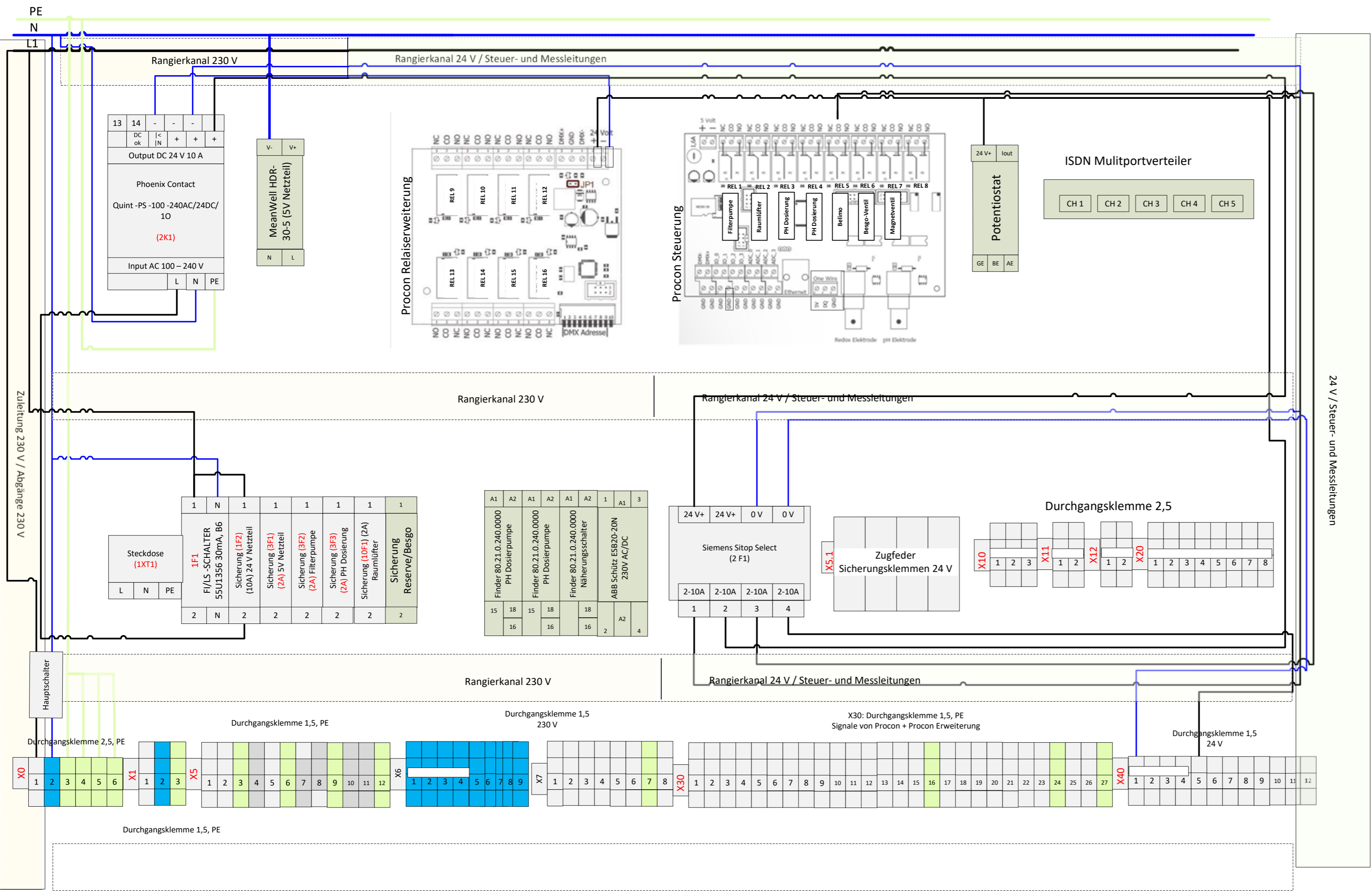
1	2	3	4	5	6	7	8	9
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1	2	3	4	5	6	7	8
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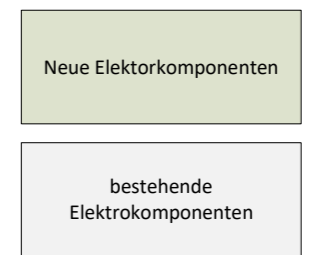
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
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1	2	3	4	5	6	7	8	9	10	11	12
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Legende



Kabelquerschnitte

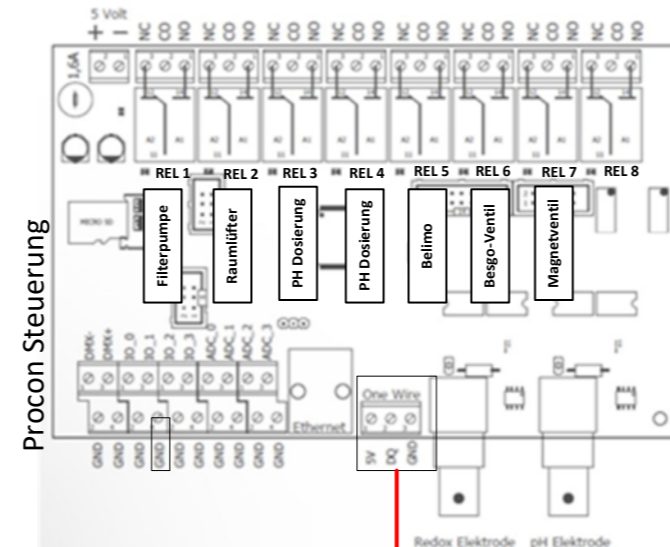
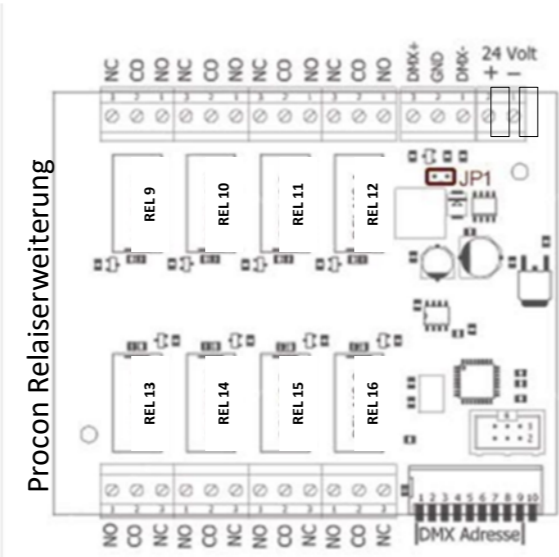
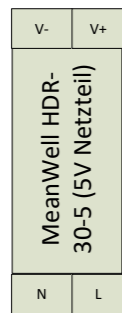
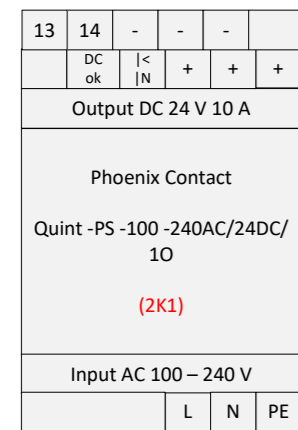
- 230 V → 1,5 mm²
- 24 V → 1 mm²
- N/PE Leiter → 1,5 mm²

Verdrahtung Temperatursignale

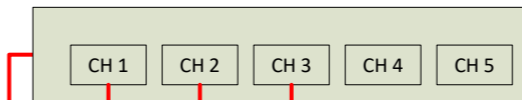
PE
N
LI

Rangierkanal 230 V

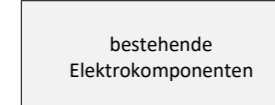
Rangierkanal 24 V / Steuer- und Messleitungen



ISDN Multitportverteiler



Legende



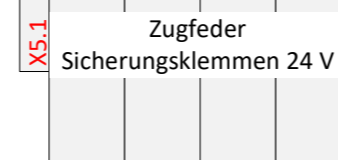
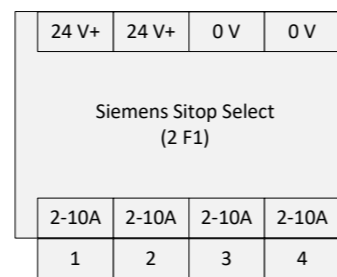
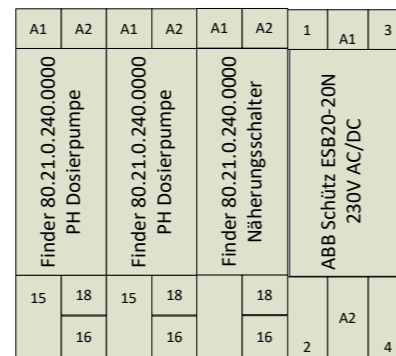
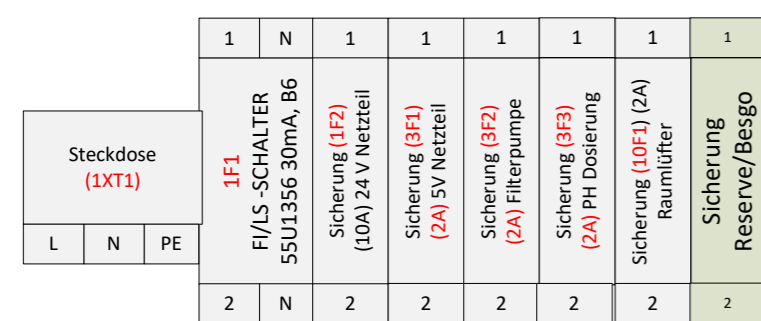
Kabelquerschnitte

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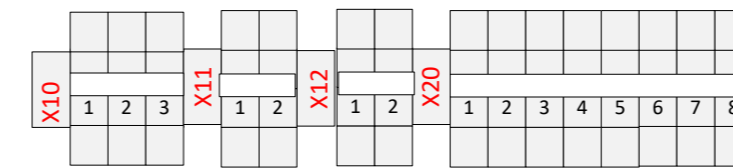
Zuleitung 230 V / Abgänge 230 V

Rangierkanal 230 V

Rangierkanal 24 V / Steuer- und Messleitungen

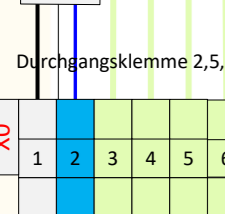


Durchgangsklemme 2,5

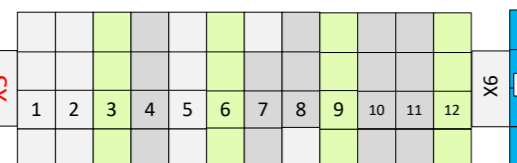


Rangierkanal 230 V

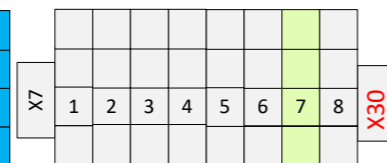
Rangierkanal 24 V / Steuer- und Messleitungen



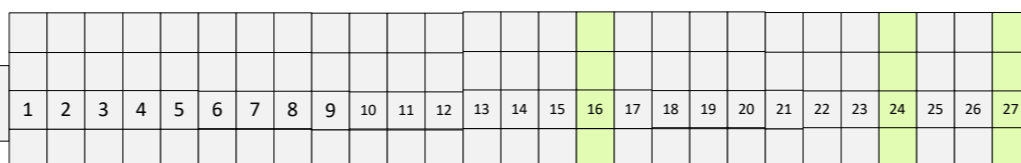
Durchgangsklemme 1,5, PE



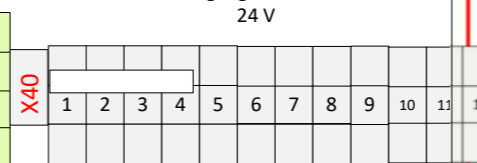
Durchgangsklemme 1,5 230 V



X30: Durchgangsklemme 1,5, PE Signale von Procon + Procon Erweiterung

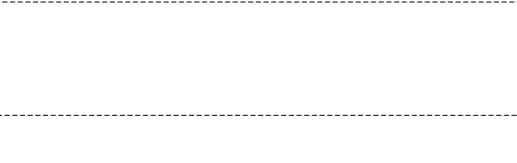


Durchgangsklemme 1,5 24 V

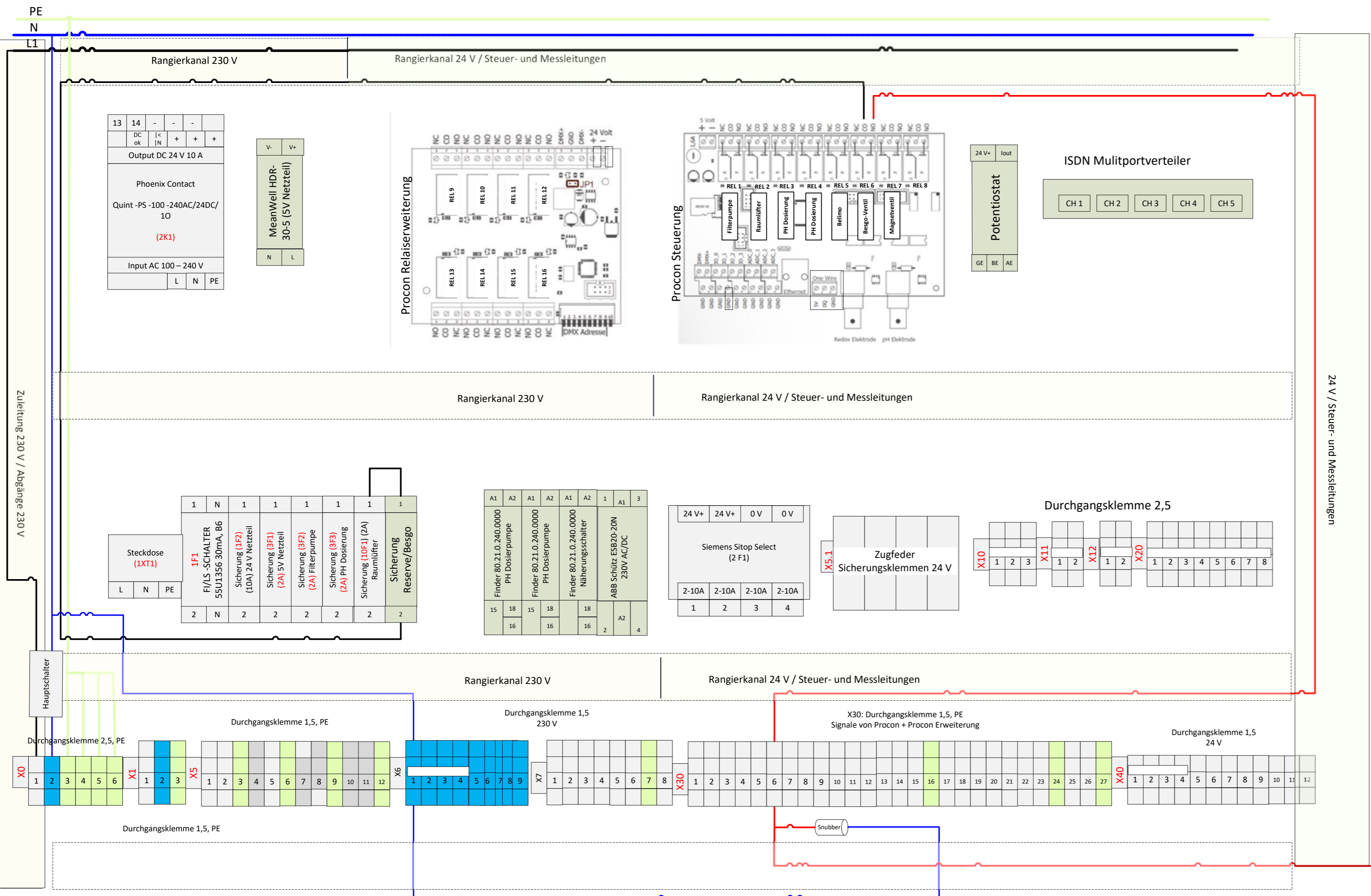


24 V Steuer- und Messleitungen

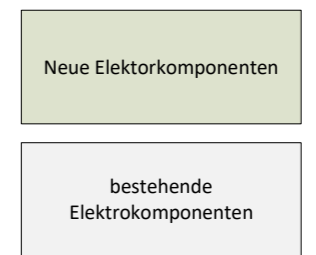
Durchgangsklemme 1,5, PE



Verdrahtung Besgo Stangenventil



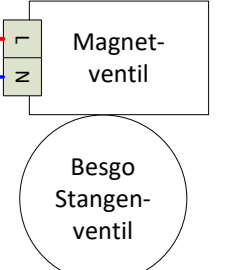
Legende



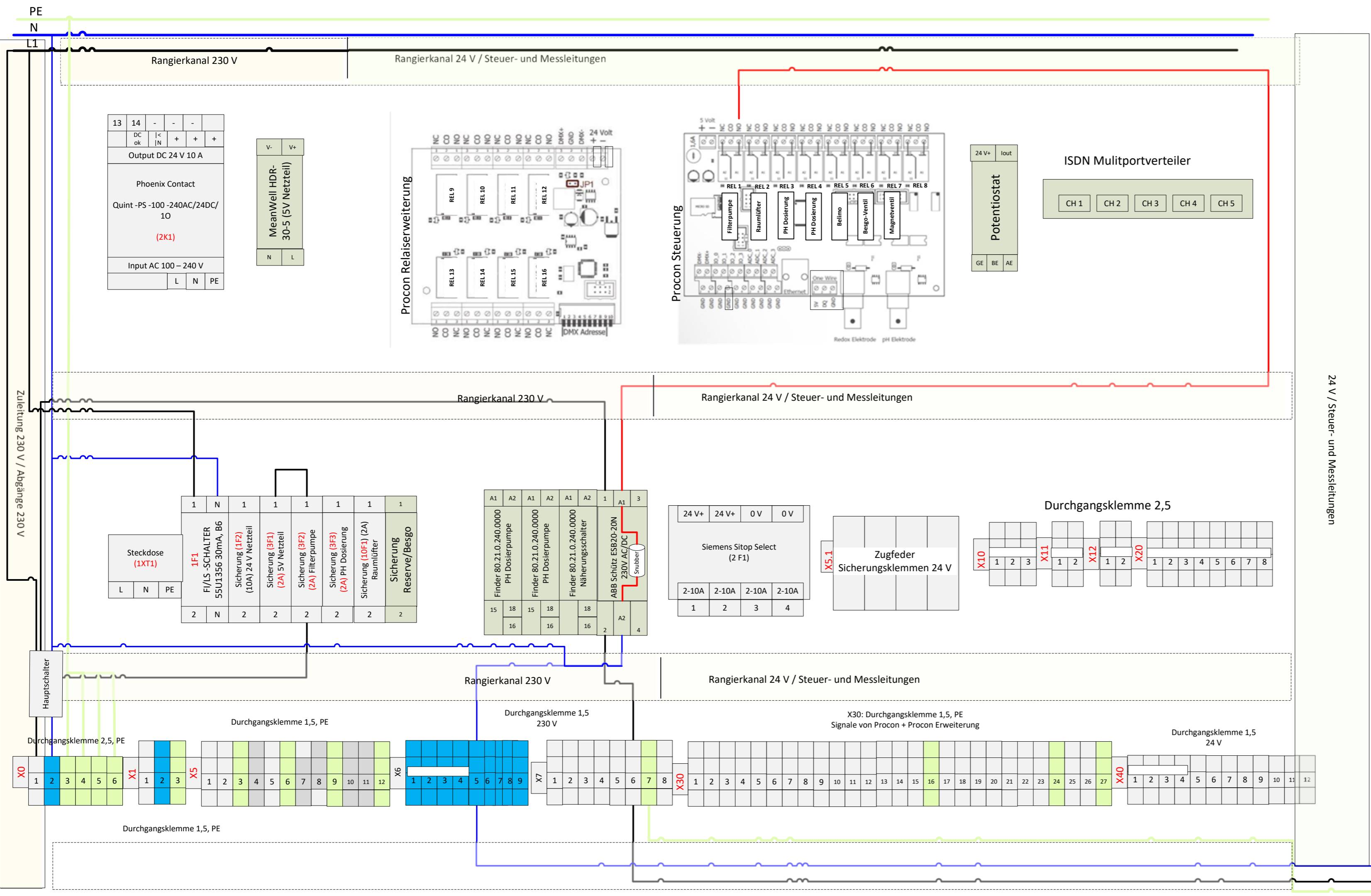
Kabelquerschnitte

230 V → 1,5 mm²
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 N/PE Leiter → 1,5 mm²

24 V / Steuer- und Messleitungen



Verdrahtung Filterpumpe

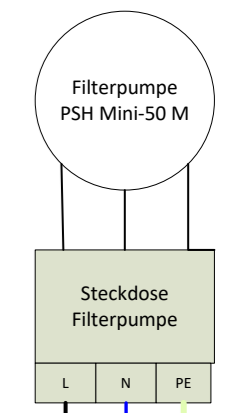


Legende

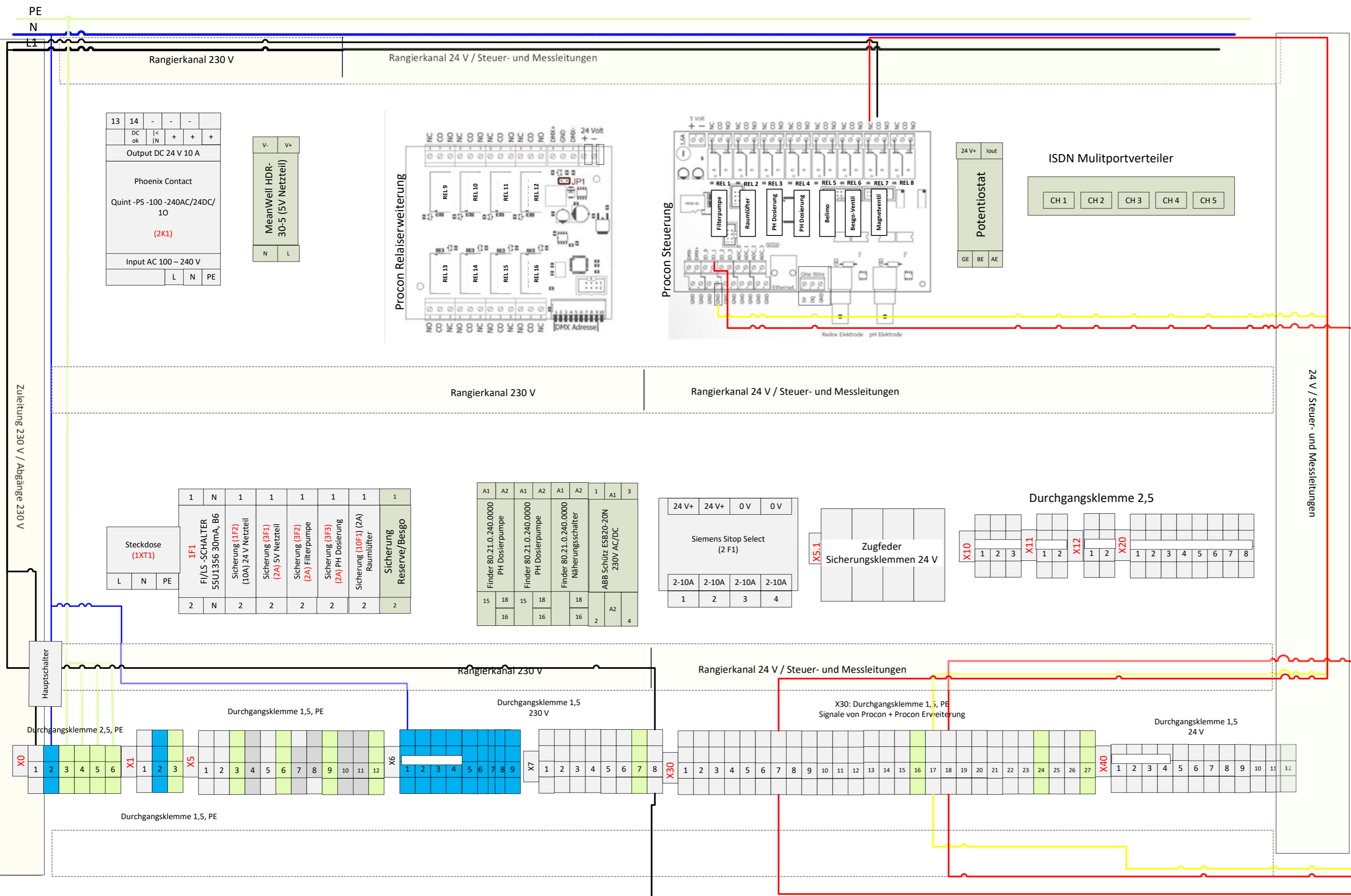
- Neue Elektorkomponenten
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Kabelquerschnitte

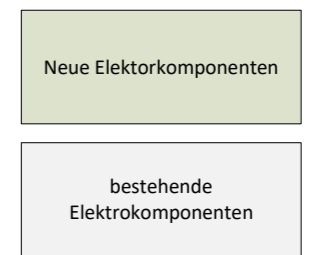
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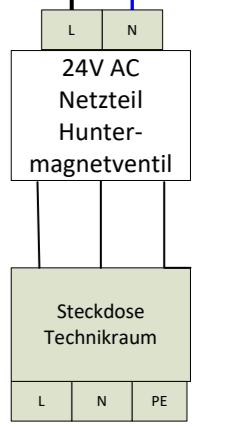
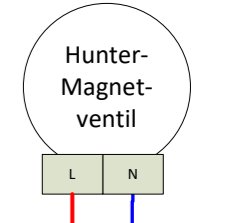
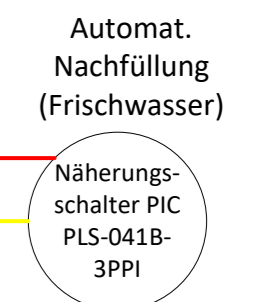
Verdrahtung Frischwasser



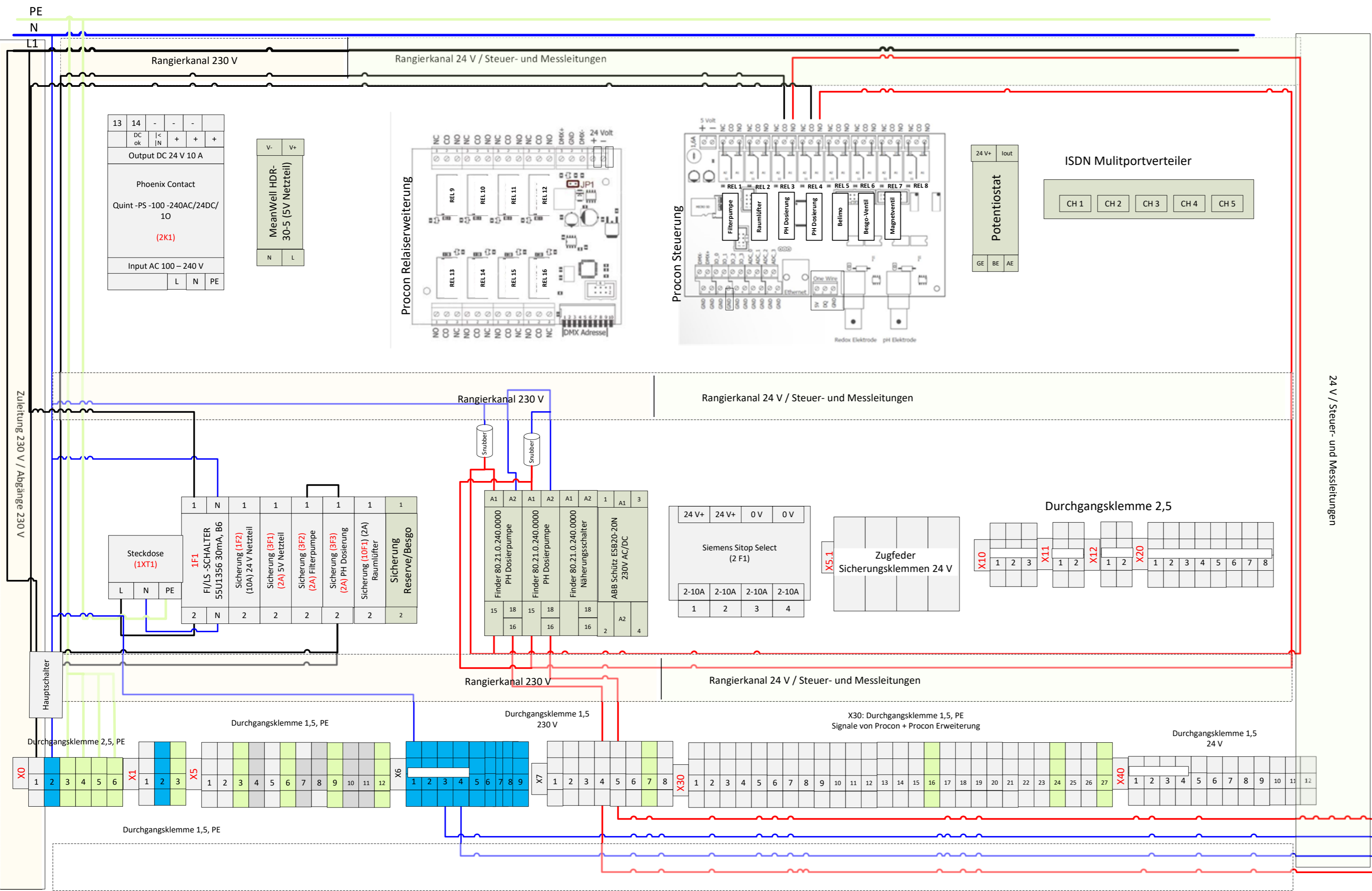
Legende



Kabelquerschnitte
 230 V → 1,5 mm²
 24 V → 1 mm²
 N/PE Leiter → 1,5 mm²



Verdrahtung PH Dosierpumpe

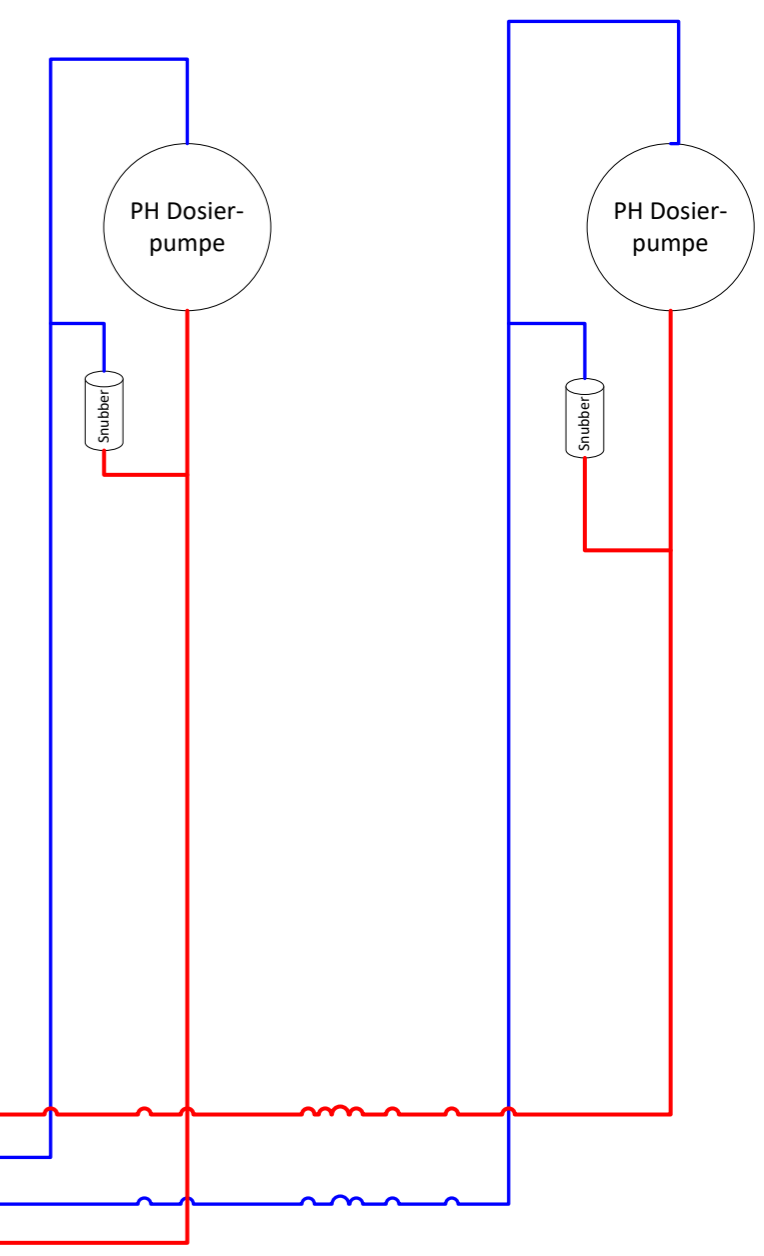


Legende

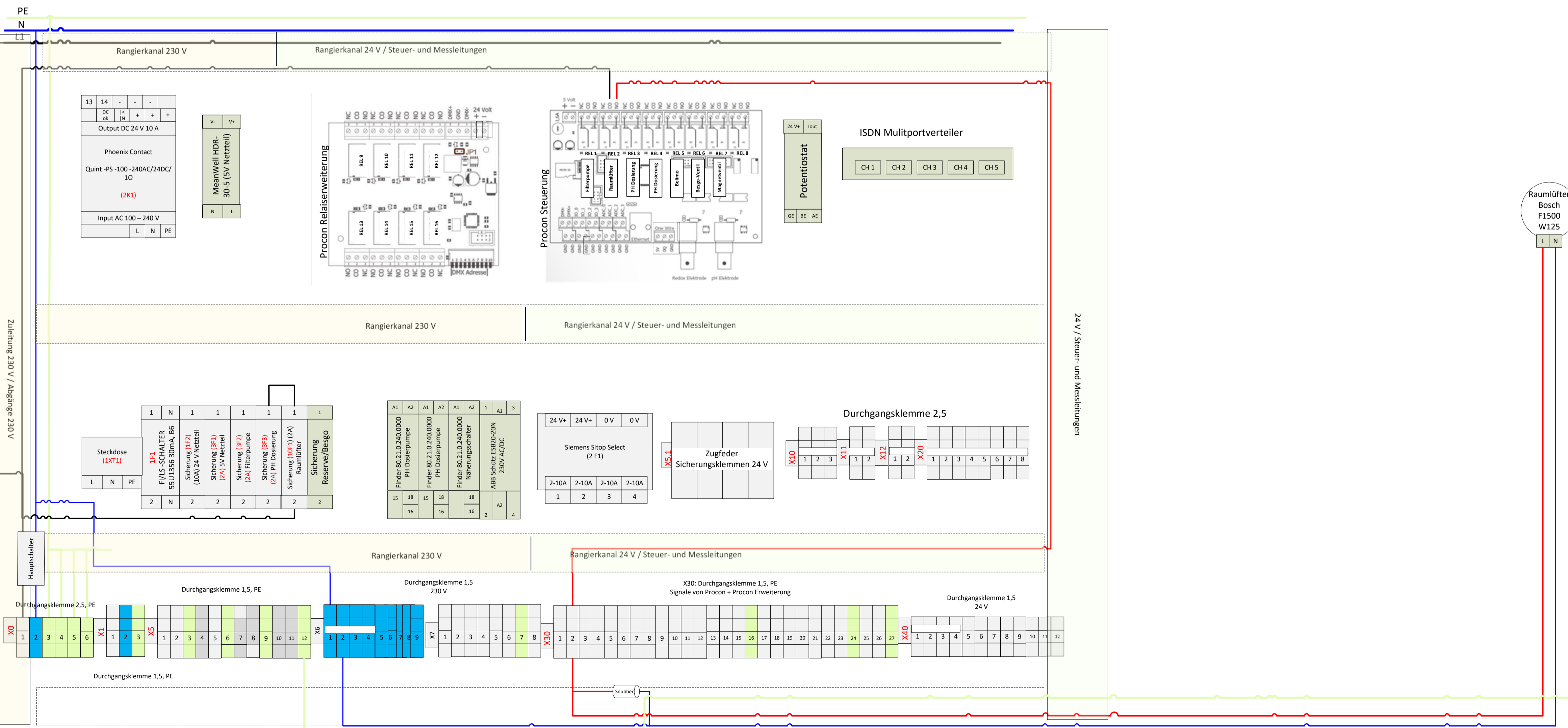
- Neue Elektorkomponenten
- bestehende Elektorkomponenten

Kabelquerschnitte

- 230 V → 1,5 mm²
- 24 V → 1 mm²
- N/PE Leiter → 1,5 mm²



Verdrahtung Raumlüfter



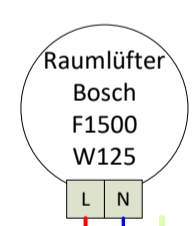
Legende

Neue Elektrokompenten

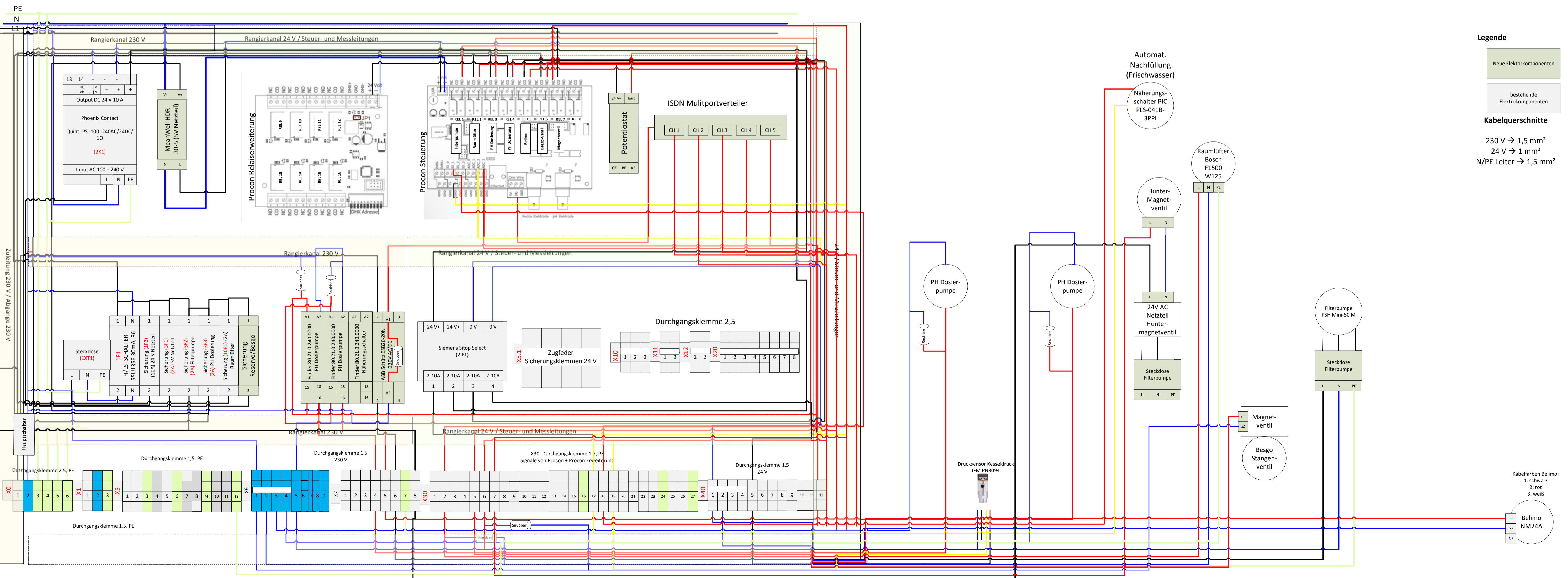
bestehende Elektrokompenten

Kabelquerschnitte

230 V → 1,5 mm²
 24 V → 1 mm²
 N/PE Leiter → 1,5 mm²



Schaltplan gesamt



Legende

Neue Elektrokompenten

bestehende Elektrokompenten

Kabelquerschnitte

230 V → 1,5 mm²

24 V → 1 mm²

N/PE Leiter → 1,5 mm²

Kabelfarben Belimo:

1: schwarz

2: rot

3: weiß