





Langenbacher Str. 25  
57586 Weitefeld  
Tel.: 49 2743/807-0  
Fax.: 49 2743/3028  
info@rox-online.de  
www.rox-online.de

Aderfarben

|                  |   |                           |
|------------------|---|---------------------------|
| Hauptstrom       | : | schwarz                   |
| 230V AC / 230V/0 | : | rot / rot - weiss         |
| 24V AC / 24V/0   | : | grau / grau - weiss       |
| 24V + / 24V -    | : | dunkelblau / blau - weiss |
| Fremdspannung    | : | orange                    |
| DDC              | : | braun                     |
| Messleitung      | : | weiss                     |
| Neutralleiter    | : | blau                      |
| Schutzleiter     | : | grün - gelb               |
| Sonstiges        | : | violet                    |

EN Vorschriften

HD 60364  
EN 61439-1

VDE

VDE 0100  
VDE 0660

Klemmleisten

|     |                                  |
|-----|----------------------------------|
| X01 | vor Hauptschalter                |
| X1  | Hauptstrom                       |
| X2  | Steuerung 230 V                  |
| X3  | Kleinspannung                    |
| X4  | Analoge Signale                  |
| X5  | Signalaustausch mit Fremdanlagen |
| X6  | Busleitungen                     |
| X7  | Fremdspannung                    |
| X8  | Ex Bereich                       |

International IEC

IEC 60364  
IEC 61439-1

Schaltschrank

|                 |   |                             |
|-----------------|---|-----------------------------|
| Schaltschrank   | : | im Lüftungsgerät integriert |
| Gehäuse Farbe   | : |                             |
| Schutzart       | : | IP 54                       |
| Kabeleinführung | : | von unten                   |
| Türanschlag     | : | beidseitig                  |

Betriebswerte

|                     |   |                  |
|---------------------|---|------------------|
| Betriebsspannung    | : | 400V AC          |
| Steuerung Allgemein | : | 230V AC / 24V DC |
| Optische Anzeige    | : | auf Display      |
| Frequenz            | : | 50 Hz            |
| Regelung            | : | DEOS             |
| Einspeisung         | : | 100 A            |

|                                  |       |             |       |                        |                                  |                     |                                                                                       |     |           |  |                  |  |             |   |           |  |
|----------------------------------|-------|-------------|-------|------------------------|----------------------------------|---------------------|---------------------------------------------------------------------------------------|-----|-----------|--|------------------|--|-------------|---|-----------|--|
| Projekt<br>Adolf Reichwein Halle |       |             |       |                        | Bauteil<br>Lüftung               |                     |                                                                                       |     |           |  |                  |  |             |   |           |  |
| Erstellt am                      |       | 01.Aug.2024 |       | Geplant : K. Werner    |                                  | Höchste Seitenzahl: |                                                                                       | 161 |           |  |                  |  |             |   |           |  |
| Letzte Änderung am:              |       | 17.Okt.2024 |       | Gezeichnet : K. Werner |                                  | Anzahl der Seiten : |                                                                                       | 84  |           |  |                  |  |             |   |           |  |
| Geprüft am:<br>-> Blatt vorher   |       | 07.Aug.2024 |       | Name : Hr. Jungbluth   |                                  |                     |                                                                                       |     |           |  |                  |  |             |   |           |  |
|                                  |       |             | Datum | 17.Okt.2024            | Adolf Reichwein Halle<br>Lüftung |                     |  |     | Deckblatt |  | Fabr.. Nr. 7240  |  | =           |   |           |  |
|                                  |       |             |       | KW                     |                                  |                     |                                                                                       |     |           |  |                  |  | +           | 1 |           |  |
|                                  |       |             |       |                        |                                  |                     |                                                                                       |     |           |  |                  |  |             |   |           |  |
| Änderung                         | Datum | Name        |       |                        |                                  |                     |                                                                                       |     |           |  | Auftr. Nr. 24480 |  | Z.Nr.: 9790 |   | Blatt 161 |  |



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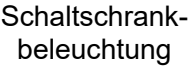
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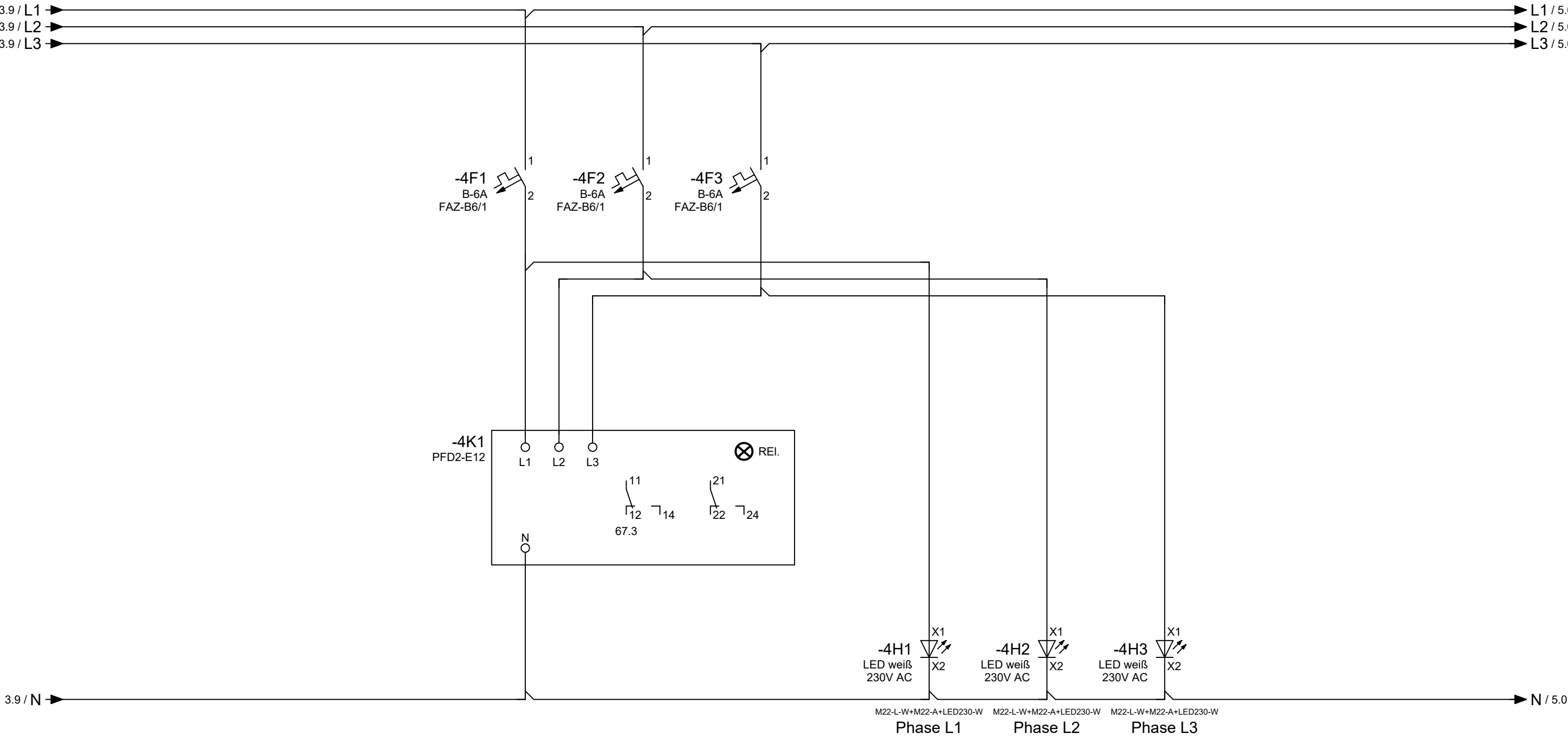
Mueller

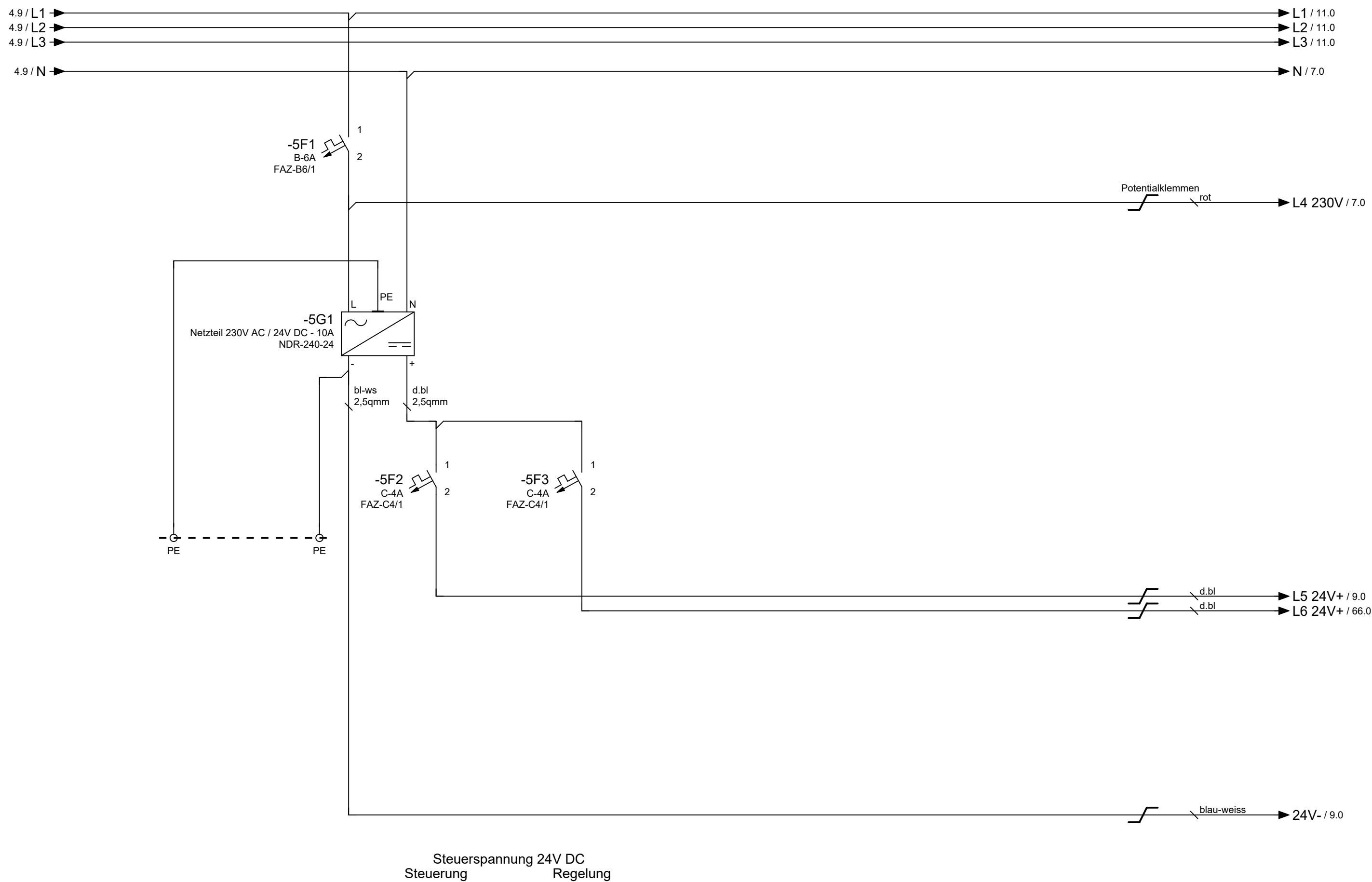
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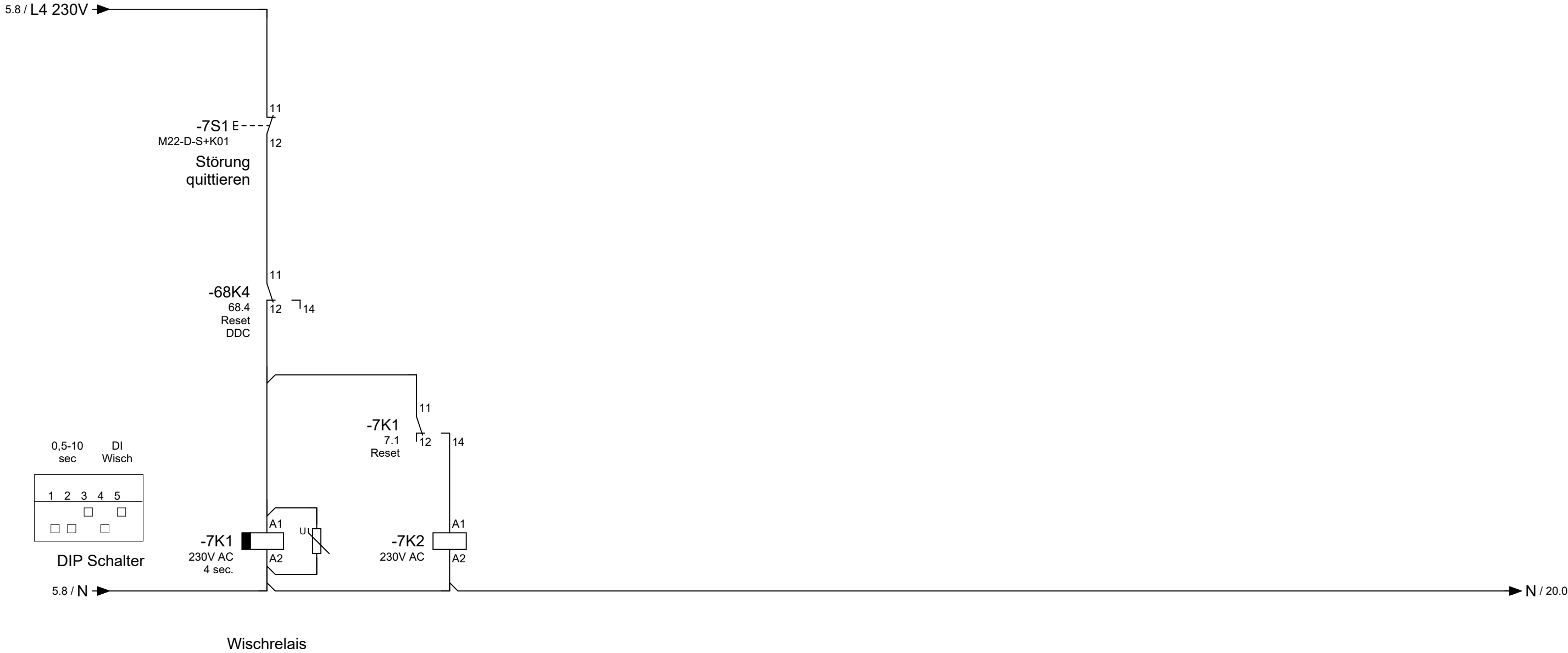




Blatt 161







85.04.8.240.0000 + 94.P4

14 12 24 22 34 32 44 42

11 7.2

21 9.5

31 11.4

41 13.4

55.34.8.230.0040 + 94.P4

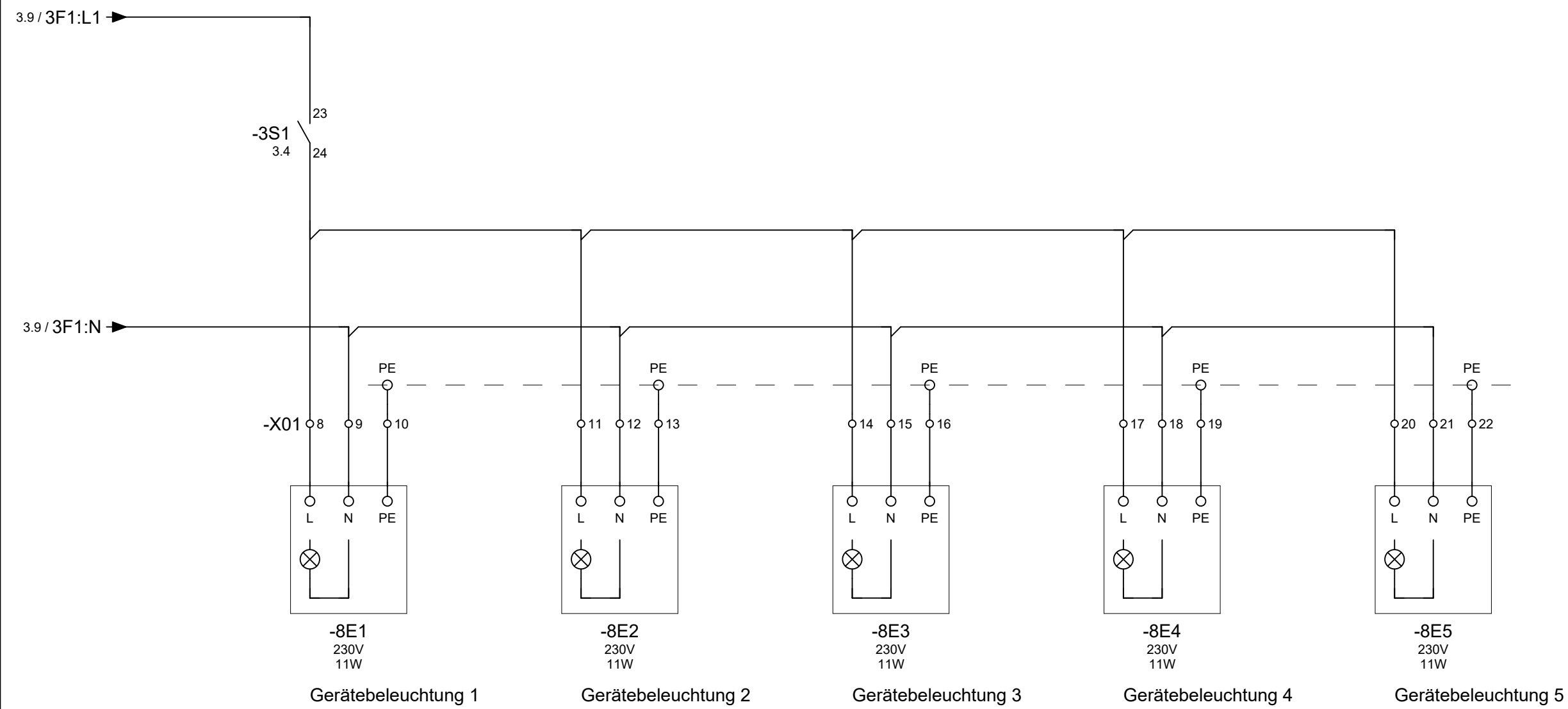
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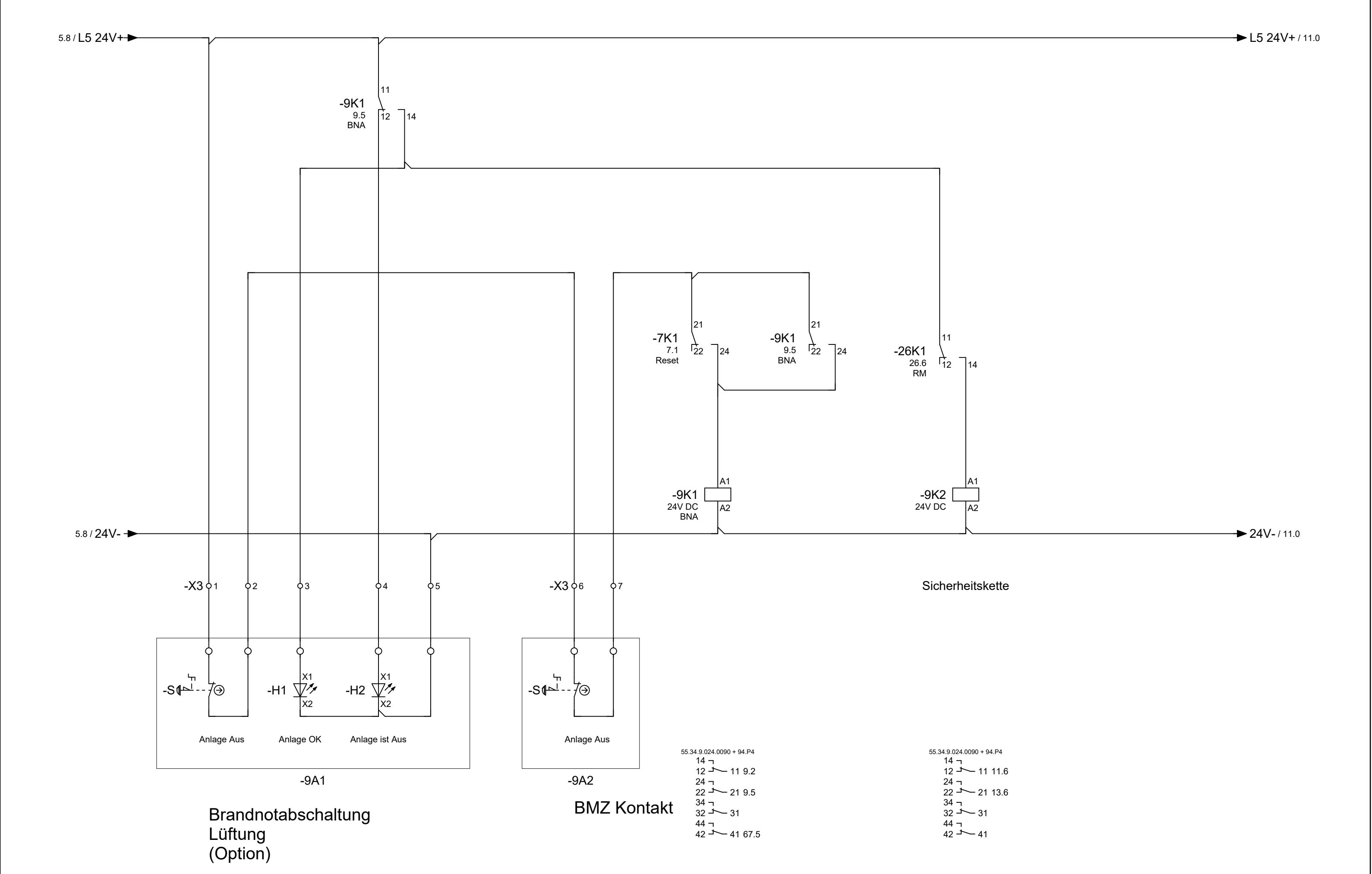
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21

31

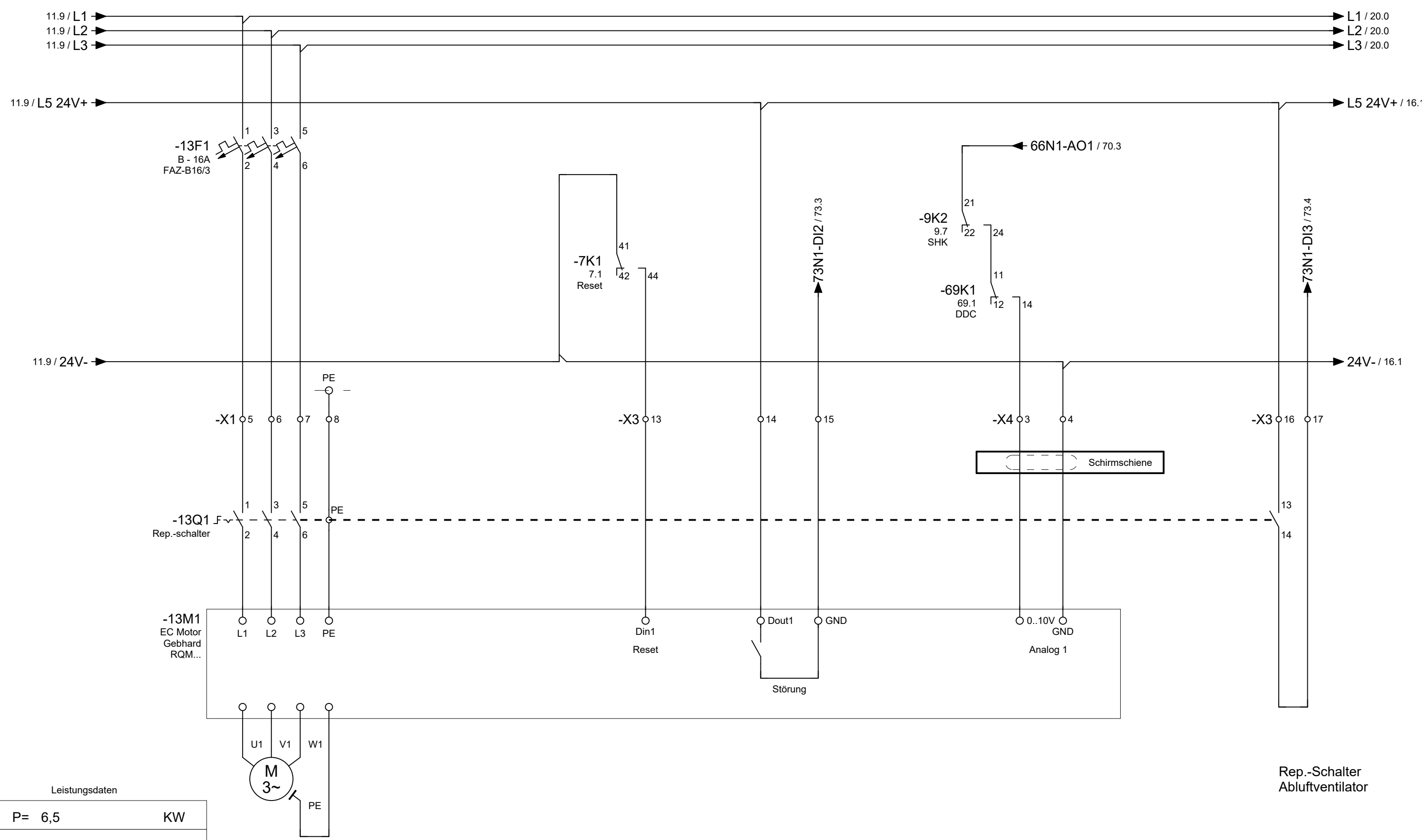
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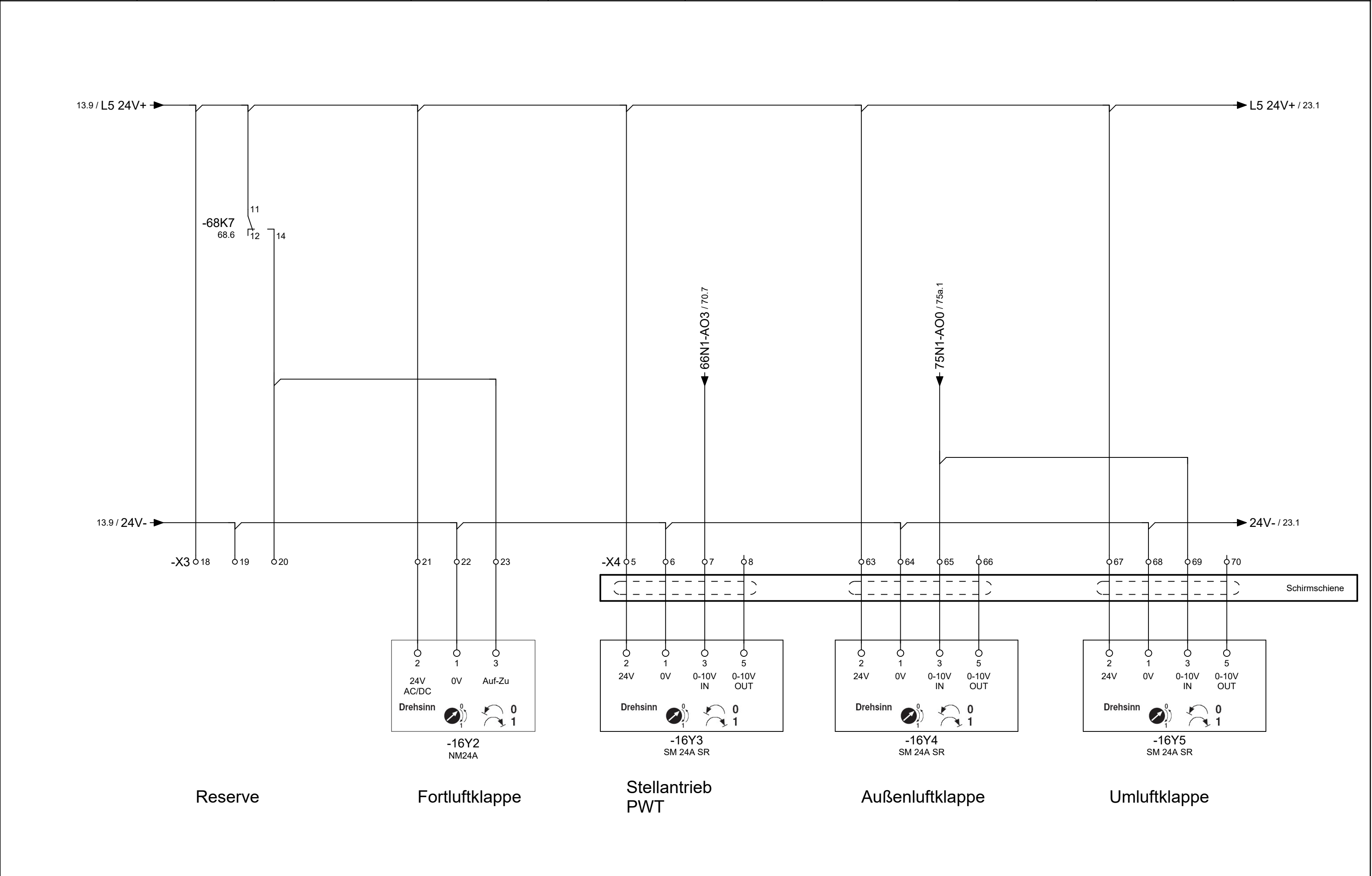


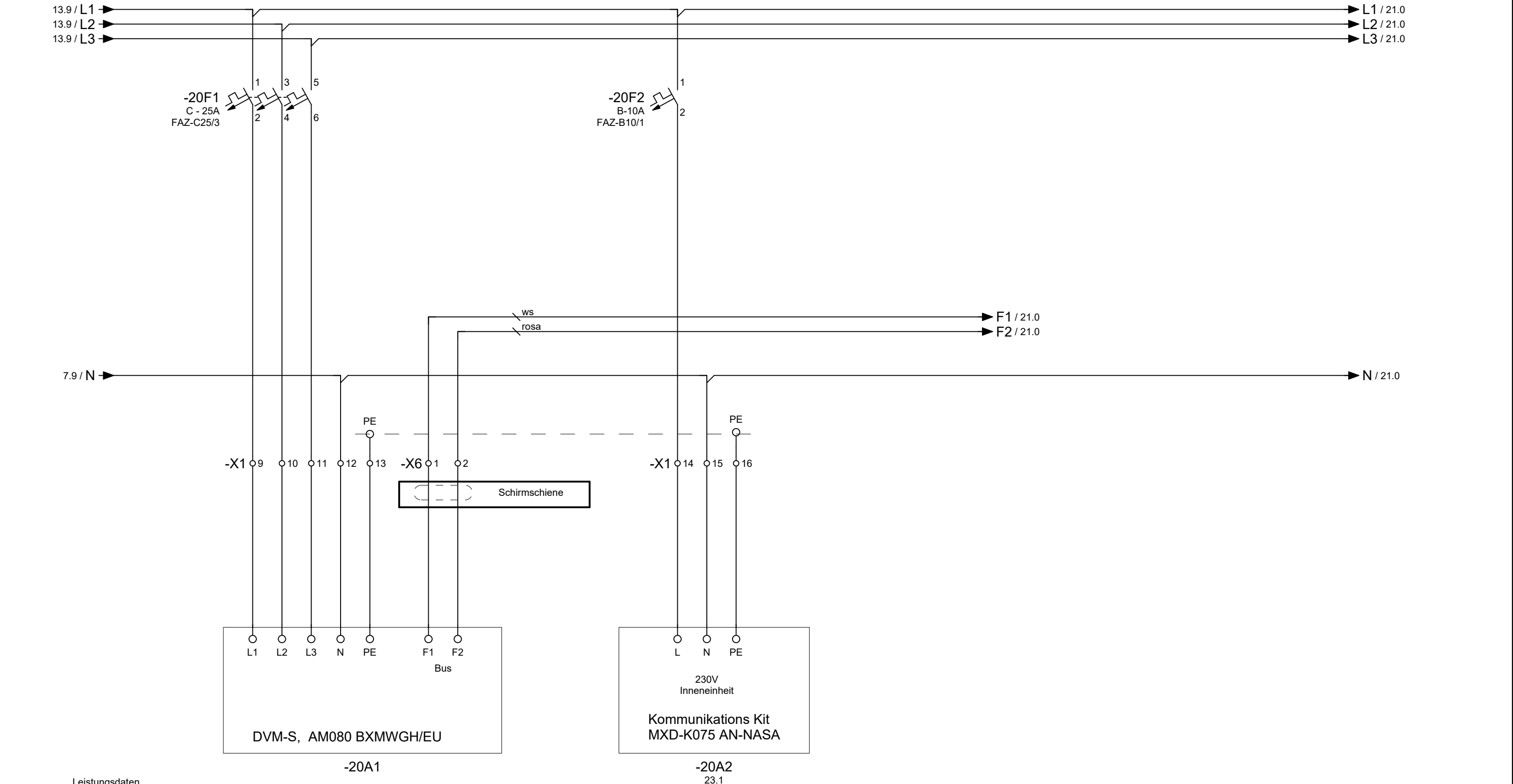
# Anlage Lüftung





| Leistungsdaten |      |       |  |
|----------------|------|-------|--|
| P=             | 6,5  | KW    |  |
| I=             | 16,0 | A     |  |
| U=             | 400  | V     |  |
| N=             | 1400 | U/min |  |

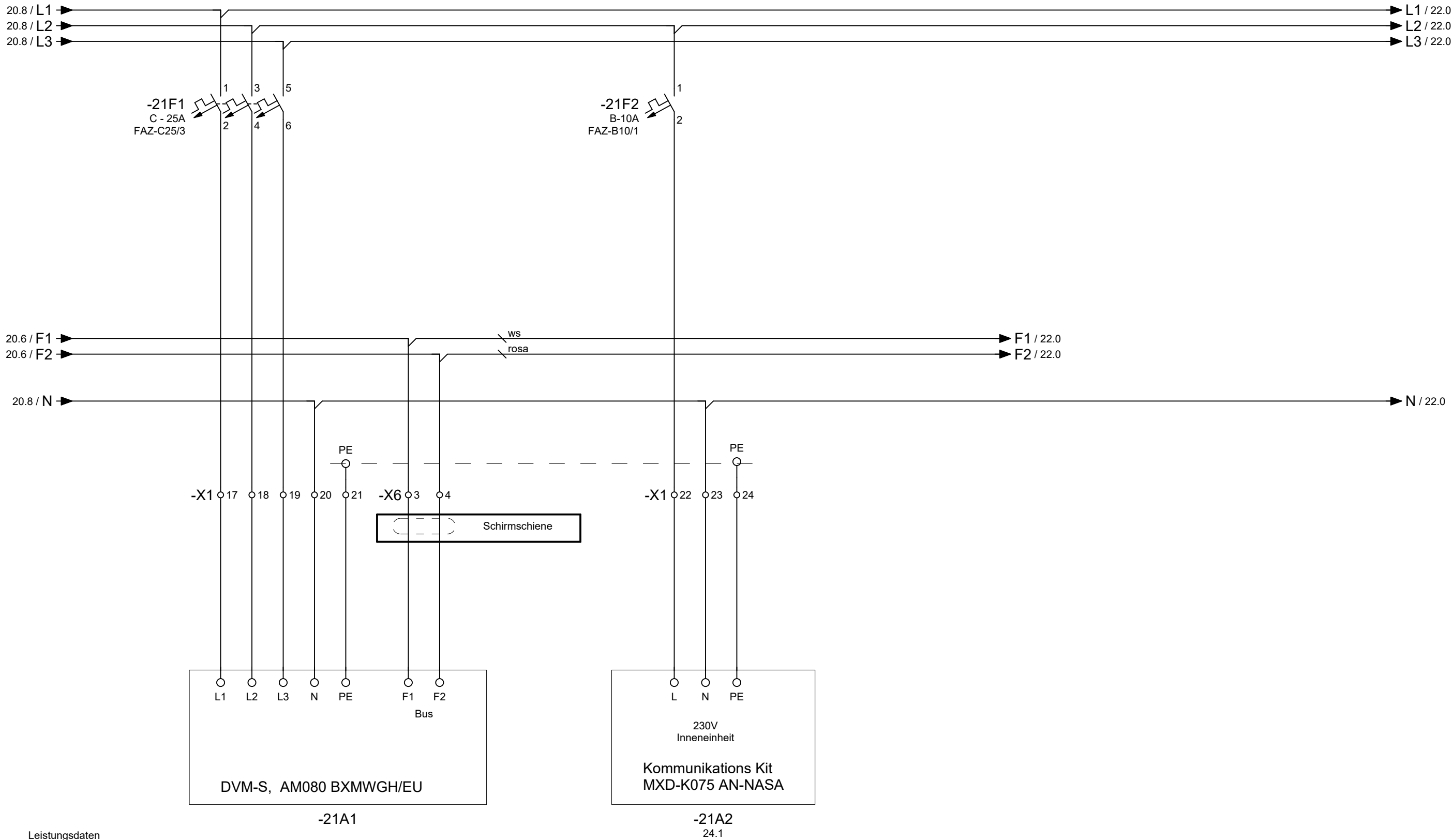




| Leistungsdaten     |   |           |    |
|--------------------|---|-----------|----|
| P <sub>EL</sub>    | : | max. 9,96 | KW |
| I                  | : | max. 15,6 | A  |
| U                  | : | 400       | V  |
| I <sub>Betr.</sub> | : |           | A  |

Wärmepumpe 1  
Außeneinheit

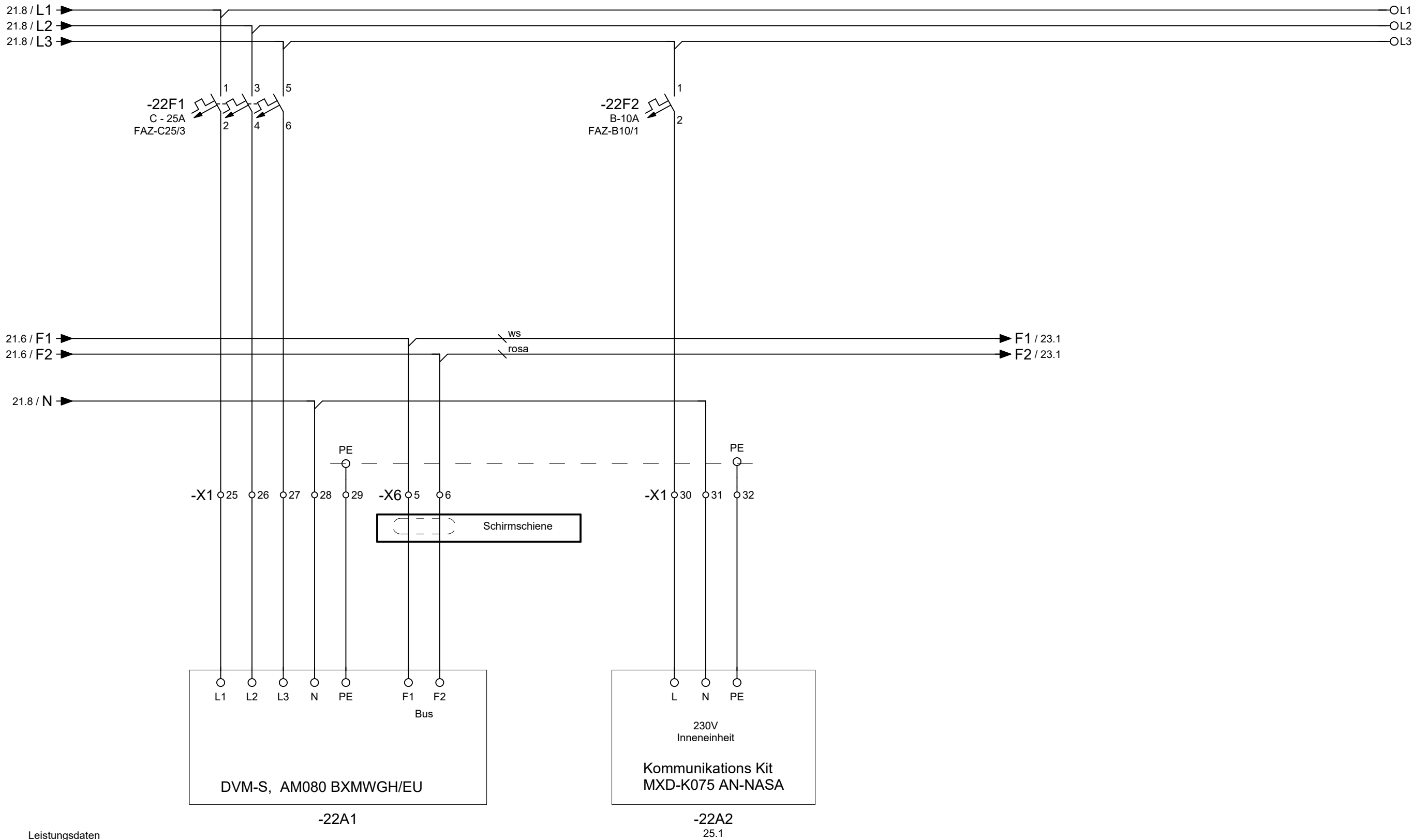
Wärmepumpe 1  
Inneneinheit



| Leistungsdaten     |   |           |    |
|--------------------|---|-----------|----|
| P <sub>EL</sub>    | : | max. 9,96 | KW |
| I                  | : | max. 15,6 | A  |
| U                  | : | 400       | V  |
| I <sub>Betr.</sub> | : |           | A  |

Wärmepumpe 2  
Außeneinheit

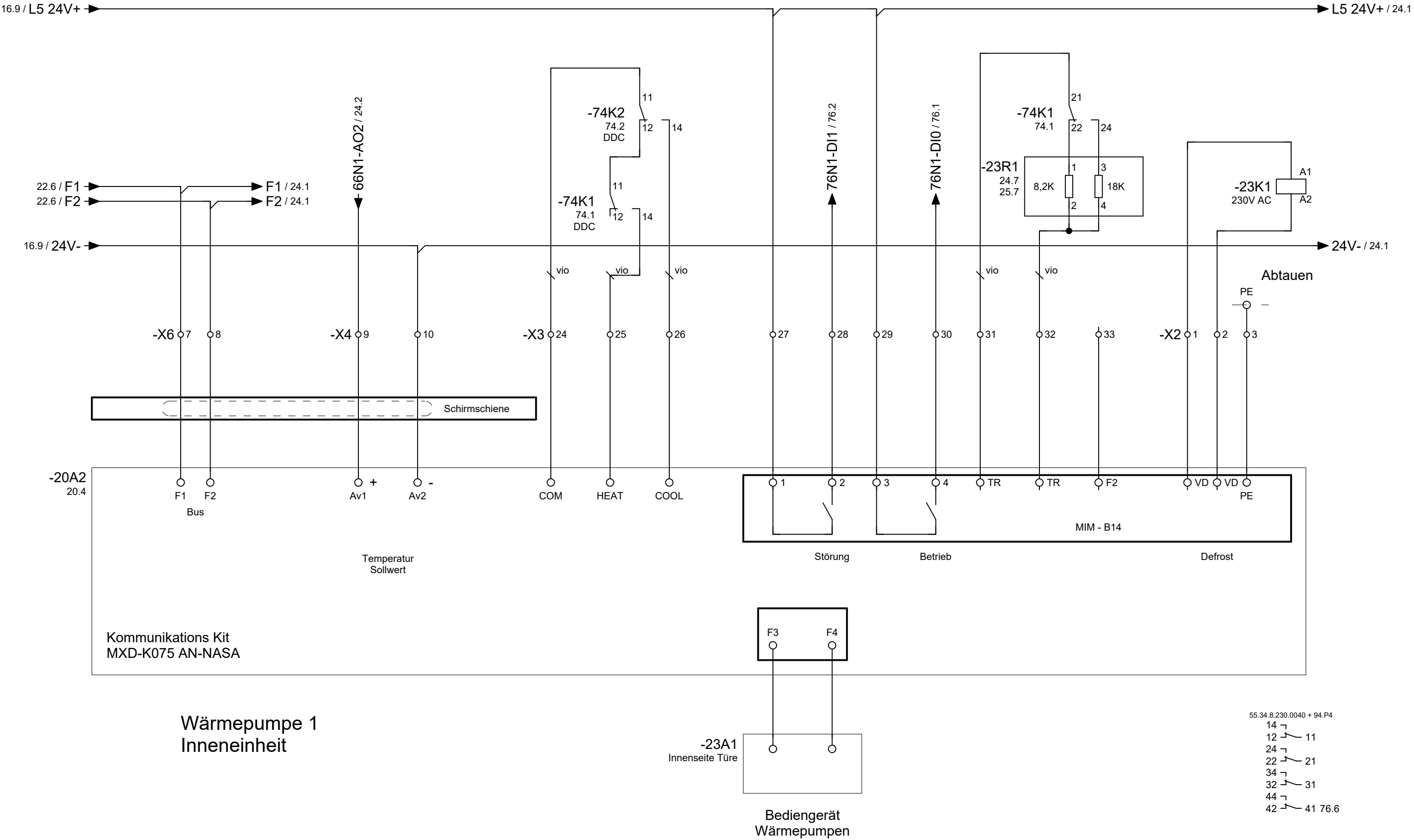
Wärmepumpe 2  
Inneneinheit

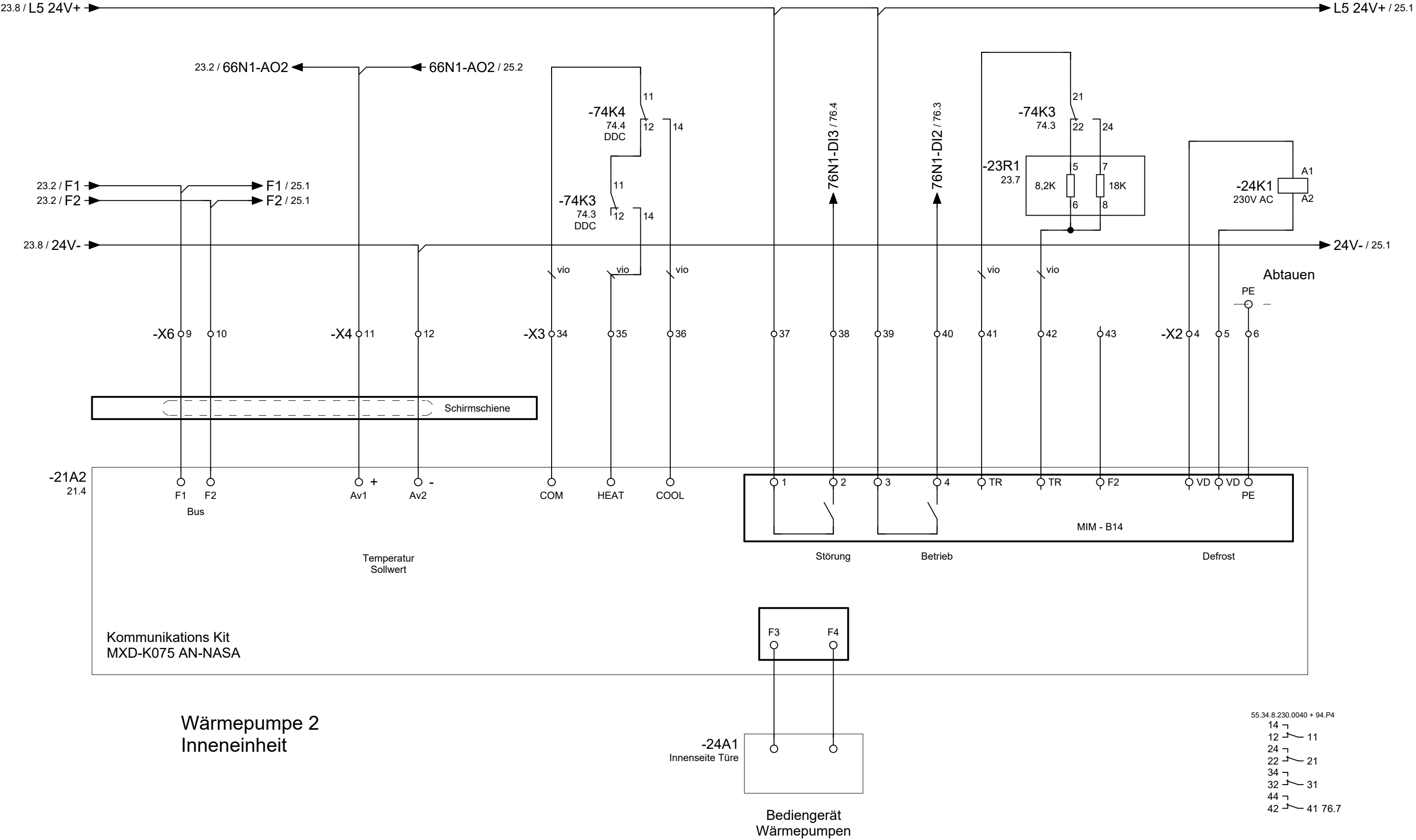


| Leistungsdaten     |   |           |    |
|--------------------|---|-----------|----|
| P <sub>EL</sub>    | : | max. 9,96 | KW |
| I                  | : | max. 15,6 | A  |
| U                  | : | 400       | V  |
| I <sub>Betr.</sub> | : |           | A  |

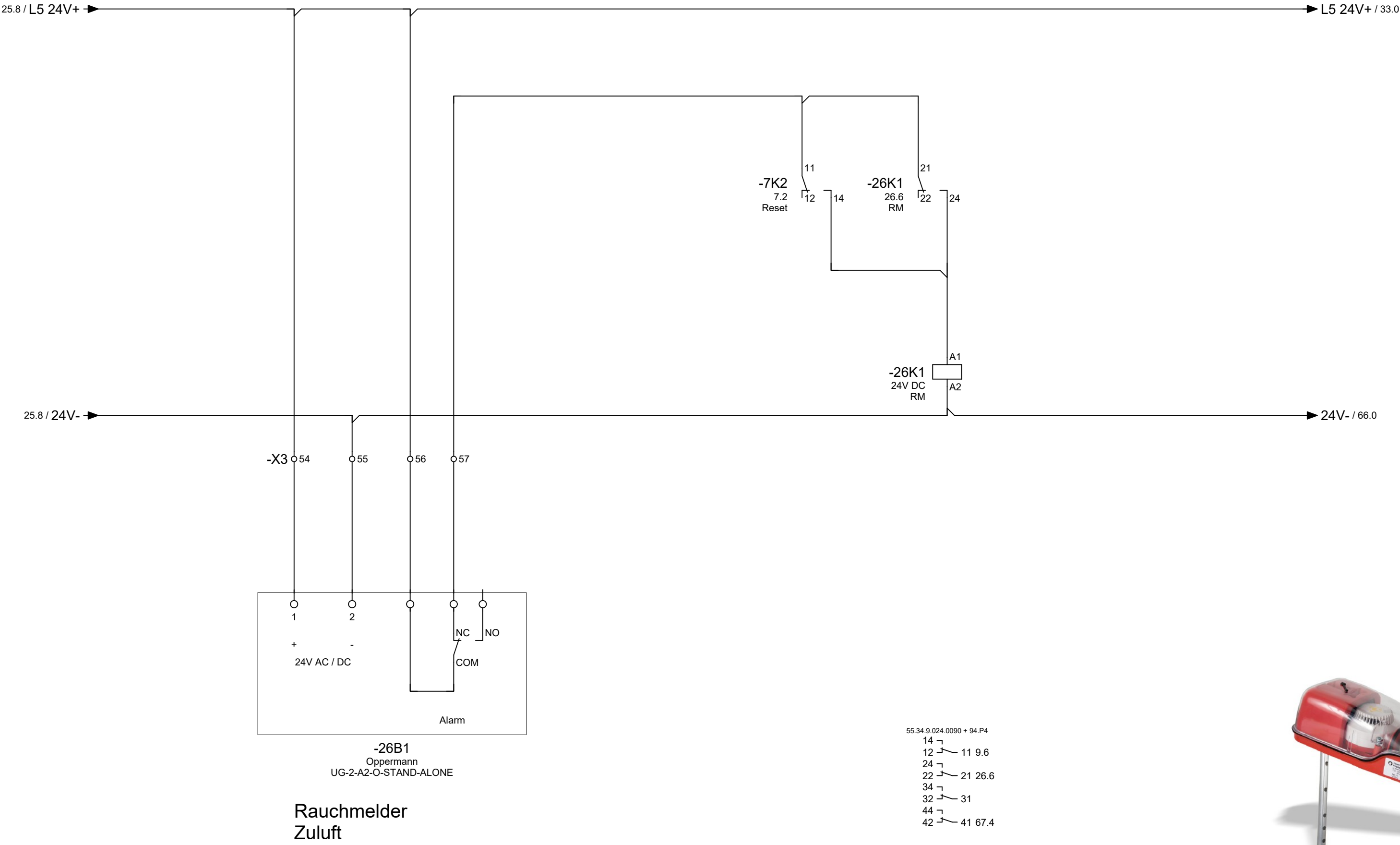
Wärmepumpe 3  
Außeneinheit

Wärmepumpe 3  
Inneneinheit

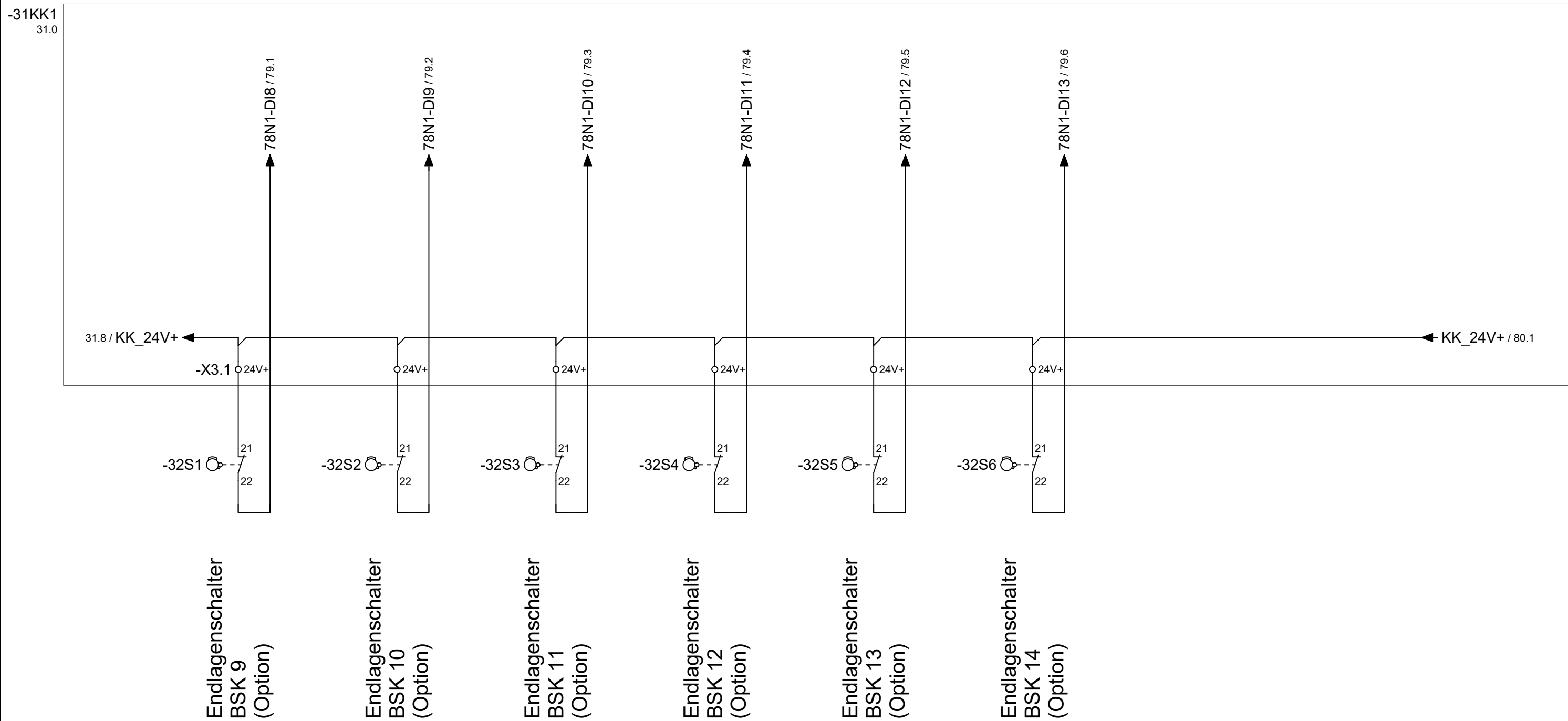




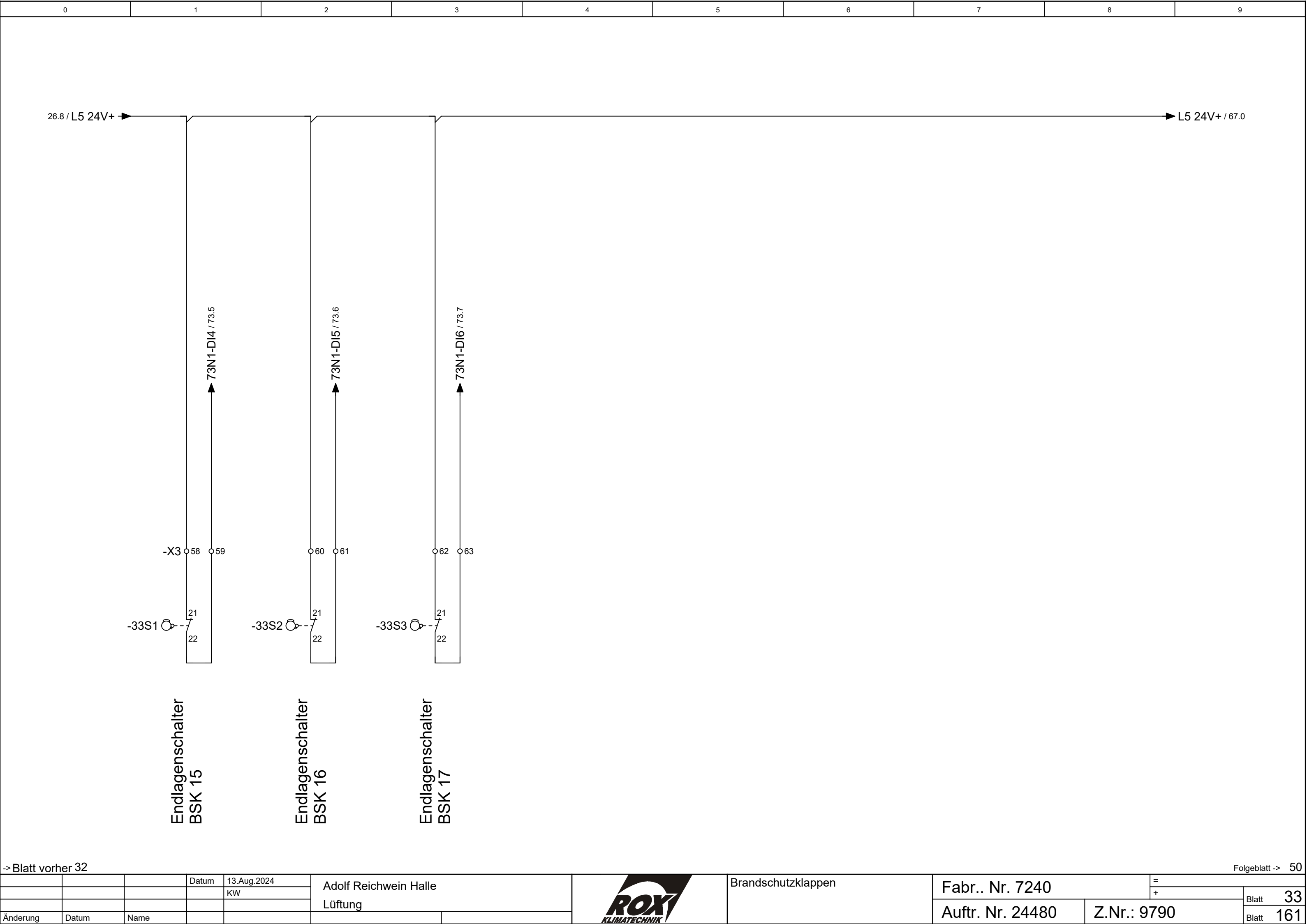








|          |       |      |       |             |                       |                                                                                       |                    |                  |             |   |       |     |
|----------|-------|------|-------|-------------|-----------------------|---------------------------------------------------------------------------------------|--------------------|------------------|-------------|---|-------|-----|
|          |       |      | Datum | 13.Aug.2024 | Adolf Reichwein Halle |  | Brandschutzklappen | Fabr.. Nr. 7240  |             | = |       |     |
|          |       |      |       | KW          |                       |                                                                                       |                    |                  | +           |   | Blatt | 32  |
|          |       |      |       |             |                       |                                                                                       |                    | Lüftung          |             |   |       |     |
| Änderung | Datum | Name |       |             |                       |                                                                                       |                    | Auftr. Nr. 24480 | Z.Nr.: 9790 |   | Blatt | 161 |

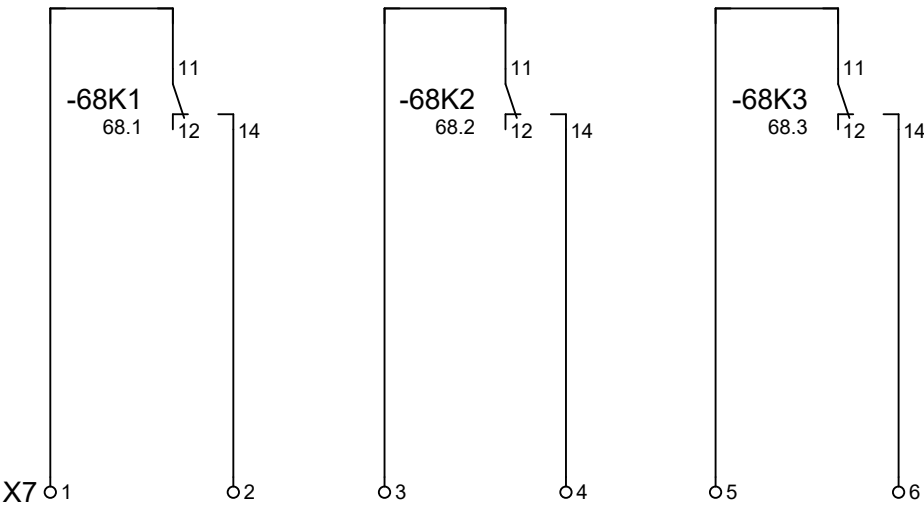


# Anlage Allgemein

-> Blatt vorher 33

Folgeblatt -> 51

|              |       |       |  |             |  |                                                                                       |                                 |                  |             |   |                       |
|--------------|-------|-------|--|-------------|--|---------------------------------------------------------------------------------------|---------------------------------|------------------|-------------|---|-----------------------|
| Blatt Vorher |       | Datum |  | 01.Aug.2024 |  |  | Anlagenkennzeichen<br>Allgemein | Fabr.. Nr. 7240  |             | = | Blatt 50<br>Blatt 161 |
|              |       |       |  | KW          |  |                                                                                       |                                 |                  |             | + |                       |
|              |       |       |  | Lüftung     |  |                                                                                       |                                 |                  |             |   |                       |
| Änderung     | Datum | Name  |  |             |  |                                                                                       |                                 | Auftr. Nr. 24480 | Z.Nr.: 9790 |   |                       |



|                                             |                                             |                                             |
|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| Potentialfreie<br>Meldung<br>Anlage Betrieb | Potentialfreie<br>Meldung<br>Anlage Störung | Potentialfreie<br>Meldung<br>Anlage Wartung |
|---------------------------------------------|---------------------------------------------|---------------------------------------------|

# Anlage DDC



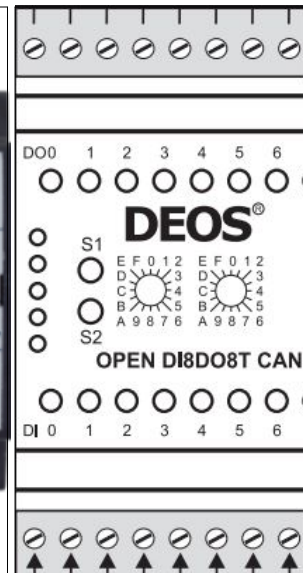
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|-------|-------------|-----------------------|-----------------------------------------------------------------------------------------------------------------|------------------|-------------|-----------|
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1     | 2    | 3     | 4           | 5                     | 6                                                                                                               | 7                | 8           | 9         |
| <div> <div>31KK1-78N1</div> <div>78.0</div> <div> <div>Digital Eingangsmodul 16 x DI</div> <div>DS-C-DI 16</div> <div> <div> <div>DI0</div> <div>○</div> <div>78.1</div> <div>31S1:22</div> <div>Störung BSK 1</div> </div> <div> <div>DI1</div> <div>○</div> <div>78.2</div> <div>31S2:22</div> <div>Störung BSK 2</div> </div> <div> <div>DI2</div> <div>○</div> <div>78.3</div> <div>31S3:22</div> <div>Störung BSK 3</div> </div> <div> <div>DI3</div> <div>○</div> <div>78.4</div> <div>31S4:22</div> <div>Störung BSK 4</div> </div> <div> <div>DI4</div> <div>○</div> <div>78.5</div> <div>31S5:22</div> <div>Störung BSK 5</div> </div> <div> <div>DI5</div> <div>○</div> <div>78.6</div> <div>31S6:22</div> <div>Störung BSK 6</div> </div> <div> <div>DI6</div> <div>○</div> <div>78.7</div> <div>31S7:22</div> <div>Störung BSK 7</div> </div> <div> <div>DI7</div> <div>○</div> <div>78.8</div> <div>31S8:22</div> <div>Störung BSK 8</div> </div> <div> <div>DI8</div> <div>○</div> <div>79.1</div> <div>32S1:22</div> <div>Störung BSK 9 (Option)</div> </div> <div> <div>DI9</div> <div>○</div> <div>79.2</div> <div>32S2:22</div> <div>Störung BSK 10 (Option)</div> </div> <div> <div>DI10</div> <div>○</div> <div>79.3</div> <div>32S3:22</div> <div>Störung BSK 11 (Option)</div> </div> <div> <div>DI11</div> <div>○</div> <div>79.4</div> <div>32S4:22</div> <div>Störung BSK 12 (Option)</div> </div> <div> <div>DI12</div> <div>○</div> <div>79.5</div> <div>32S5:22</div> <div>Störung BSK 13 (Option)</div> </div> <div> <div>DI13</div> <div>○</div> <div>79.6</div> <div>32S6:22</div> <div>Störung BSK 14 (Option)</div> </div> <div> <div>DI14</div> <div>○</div> <div>79.7</div> <div></div> <div>Reserve</div> </div> <div> <div>DI15</div> <div>○</div> <div>79.8</div> <div></div> <div>Reserve</div> </div> </div> </div> </div> |       |      |       |             |                       |                                                                                                                 |                  |             |           |
| <div> <div>-&gt; Blatt vorher 61</div> <div>Folgeblatt -&gt; 63</div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |      |       |             |                       |                                                                                                                 |                  |             |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |      | Datum | 09.Aug.2024 | Adolf Reichwein Halle | <div> <div>Übersicht Belegung DDC</div> <div> <div> <div>ROX</div> <div>KLIMATECHNIK</div> </div> </div> </div> | Fabr.. Nr. 7240  |             | =         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |      |       | KW          |                       |                                                                                                                 |                  |             | +         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |      |       |             |                       |                                                                                                                 |                  |             | Blatt 62  |
| Änderung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Datum | Name |       |             |                       |                                                                                                                 | Auftr. Nr. 24480 | Z.Nr.: 9790 | Blatt 161 |

-66N1  
66.0



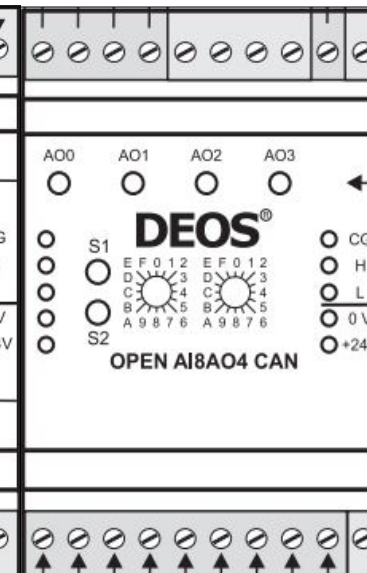
High Power Controller  
DEOS - 600/5 open EMS

-73N1  
73.0



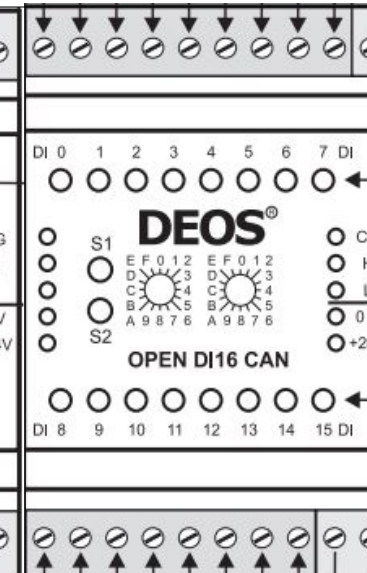
Digital Ein / Ausgangsmodul 8 x DI / 8 x DO  
DS-C-DI8 DO8T

-75N1  
75.0



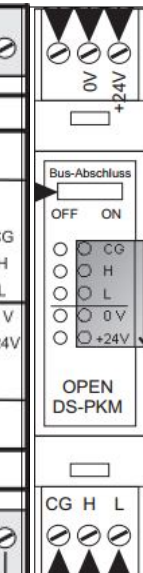
Analog Ein / Ausgangsmodul 8 x AI / 4 x AO  
DS-C-AI8AO4

-76N1  
76.0



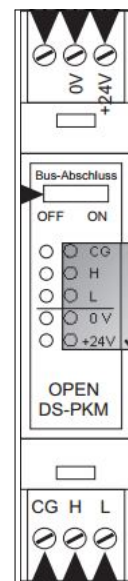
Digital Eingangsmodul 16 x DI  
DS-C-DI 16

-66N2  
66.7



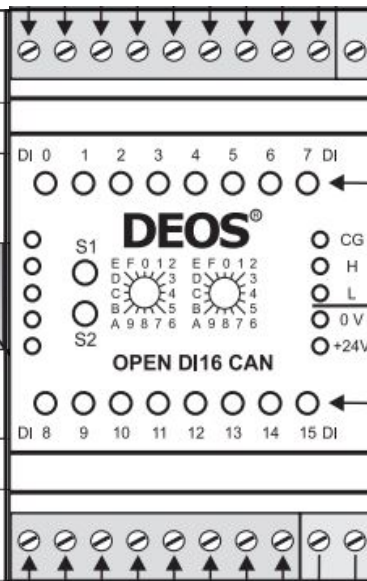
Schalter off

-31KK1-80N1  
80.5



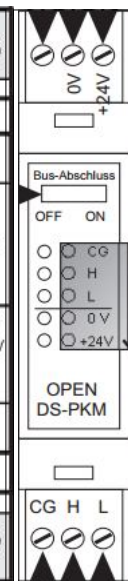
Schalter off

-31KK1-78N1  
78.0

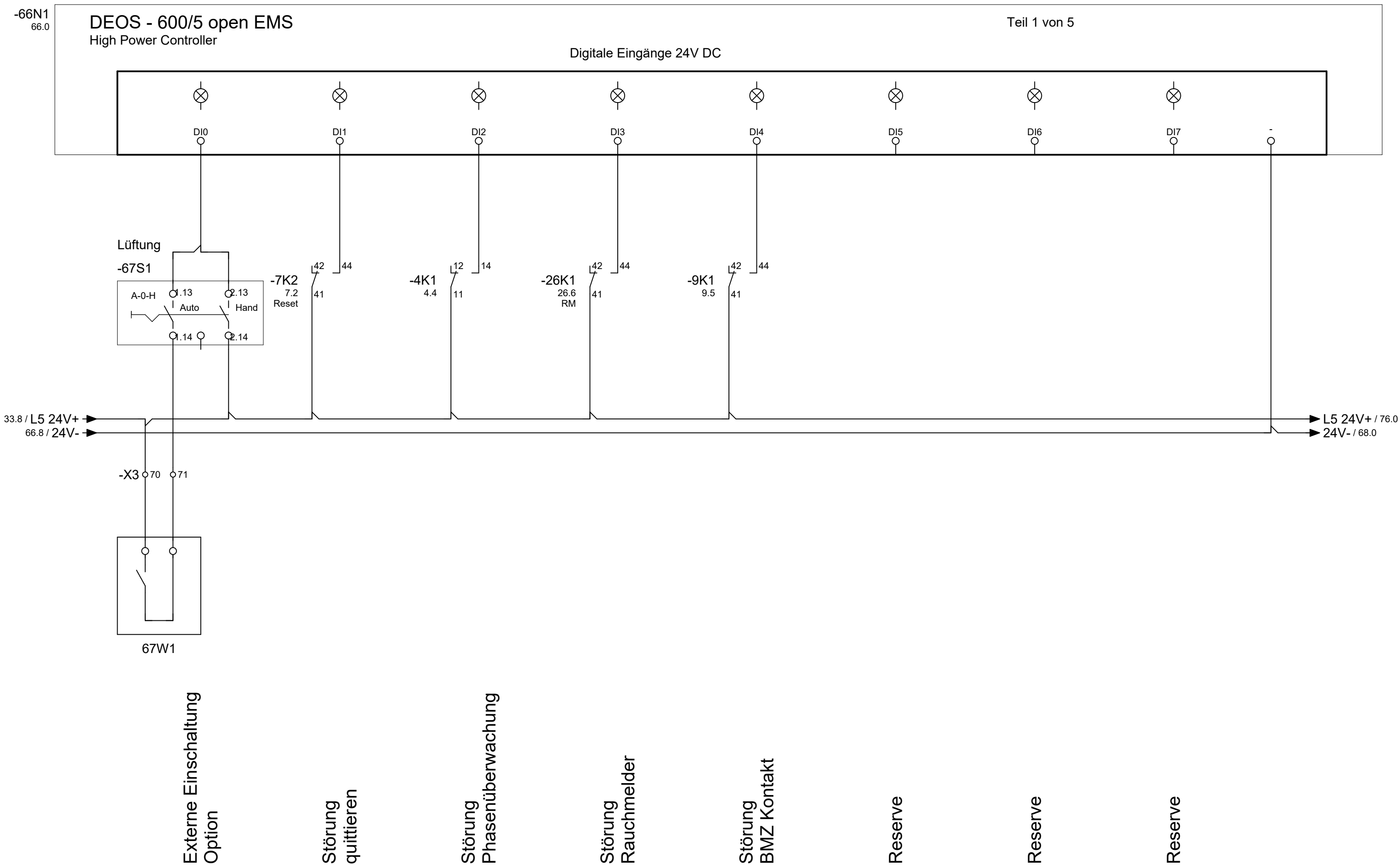


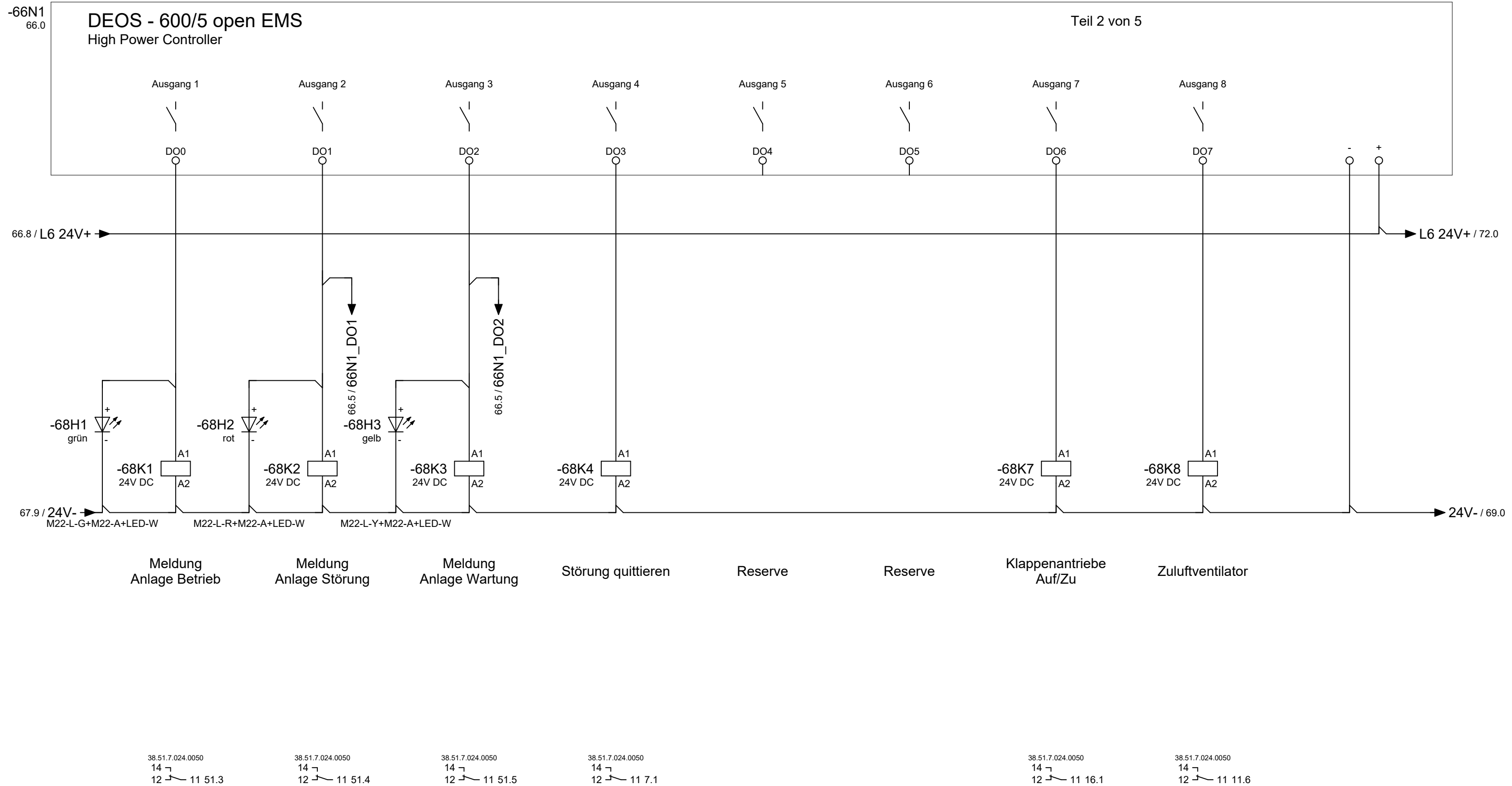
Schalter on

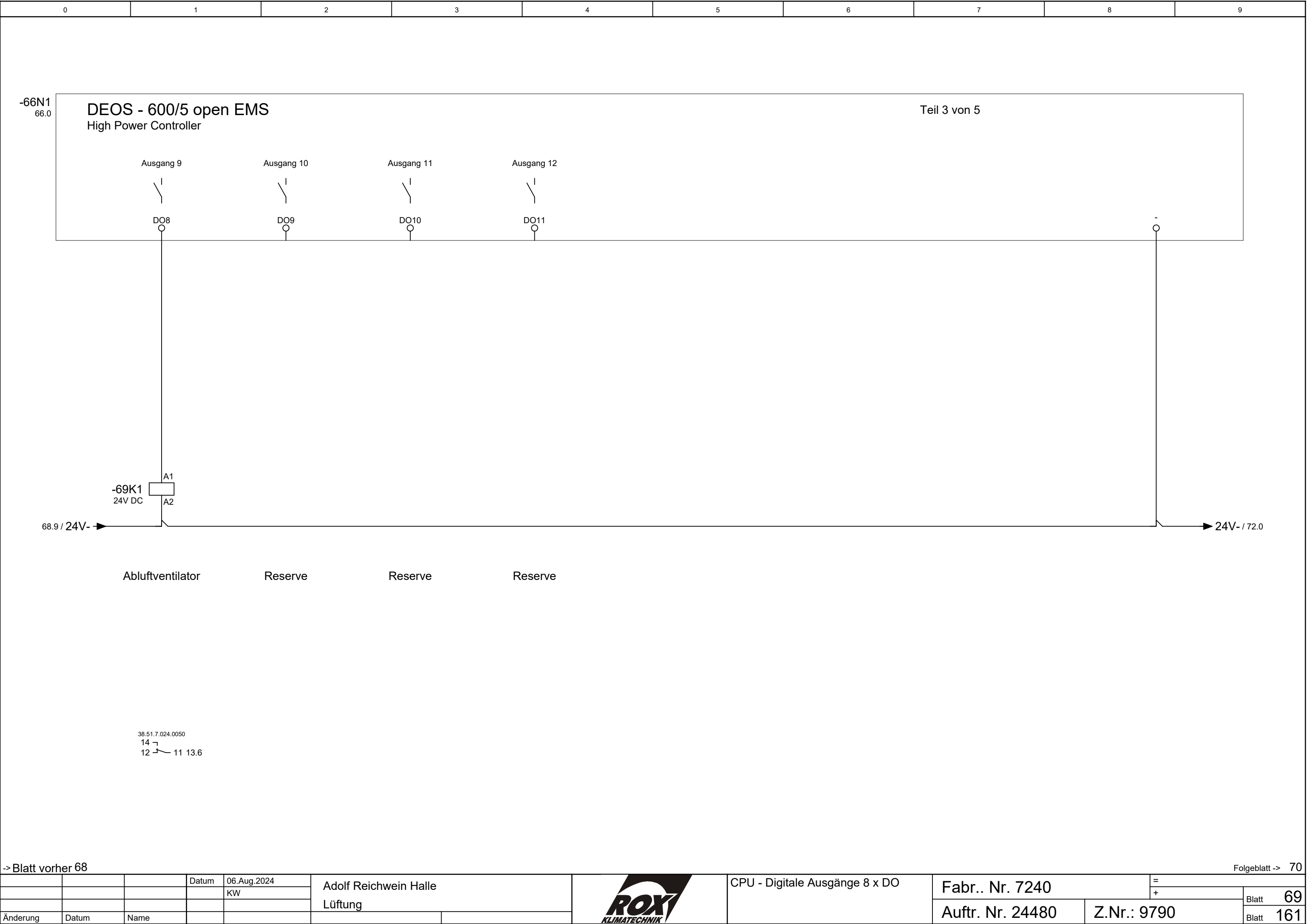
-31KK1-80N2  
80.6













-66N1  
66.0

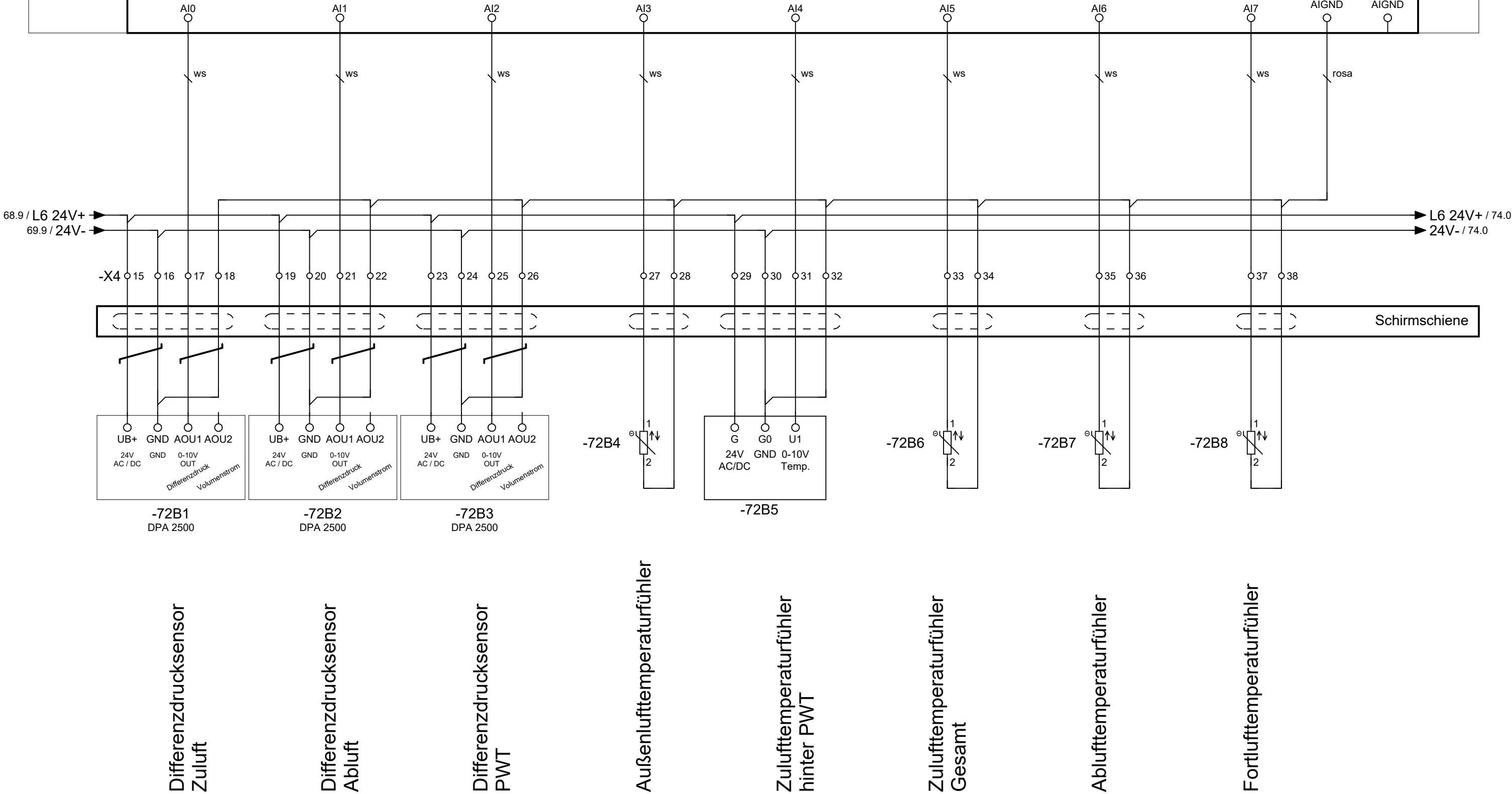
DEOS - 600/5 open EMS  
High Power Controller

Teil 5 von 5

Universelle Analoge Eingänge

CG ○  
H ○  
L ○  
0V ○  
+24V ○

CAN Bus zu  
den Modulen



-> Blatt vorher 70

Folgeblatt -> 73

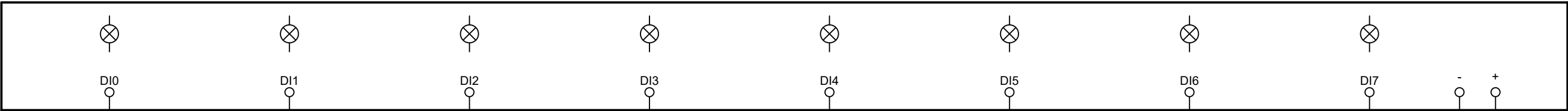
|          |       |      |       |             |                                  |  |                             |                  |             |   |                       |
|----------|-------|------|-------|-------------|----------------------------------|--|-----------------------------|------------------|-------------|---|-----------------------|
|          |       |      | Datum | 06.Aug.2024 | Adolf Reichwein Halle<br>Lüftung |  | CPU - Analoge Eingänge 8xAI | Fabr.. Nr. 7240  |             | = | Blatt 72<br>Blatt 161 |
|          |       |      |       | KW          |                                  |  |                             |                  |             | + |                       |
| Änderung | Datum | Name |       |             |                                  |  |                             | Auftr. Nr. 24480 | Z.Nr.: 9790 |   |                       |

-73N1  
61.0  
63.4  
74.0

DS-C-DI8 DO8T  
Digital Ein / Ausgangsmodul 8 x DI / 8 x DO

Teil 1 von 2

Digitale Eingänge 24V DC



Störung  
Zuluftventilator

Störung  
Zuluftventilator  
Rep.-Schalter

Störung  
Abluftventilator

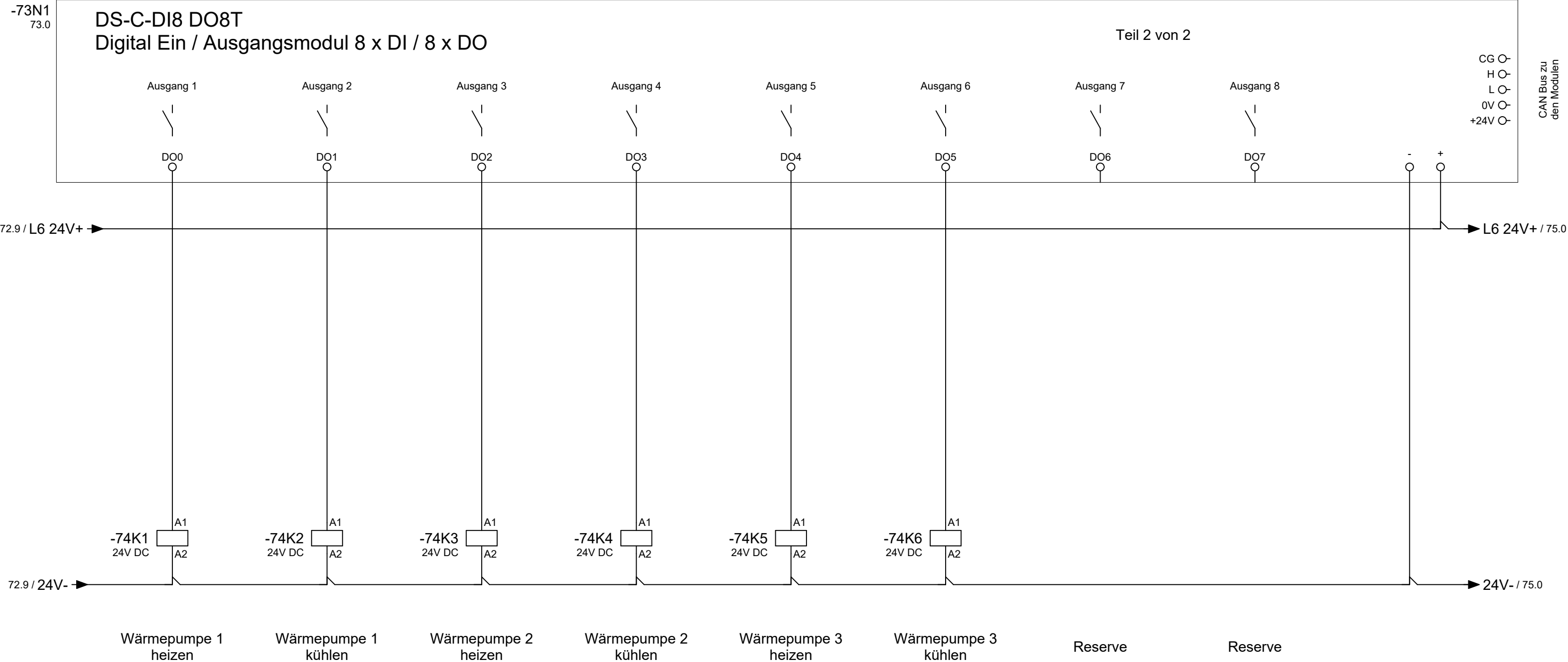
Störung  
Abluftventilator  
Rep.-Schalter

Störung  
BSK 15

Störung  
BSK 16

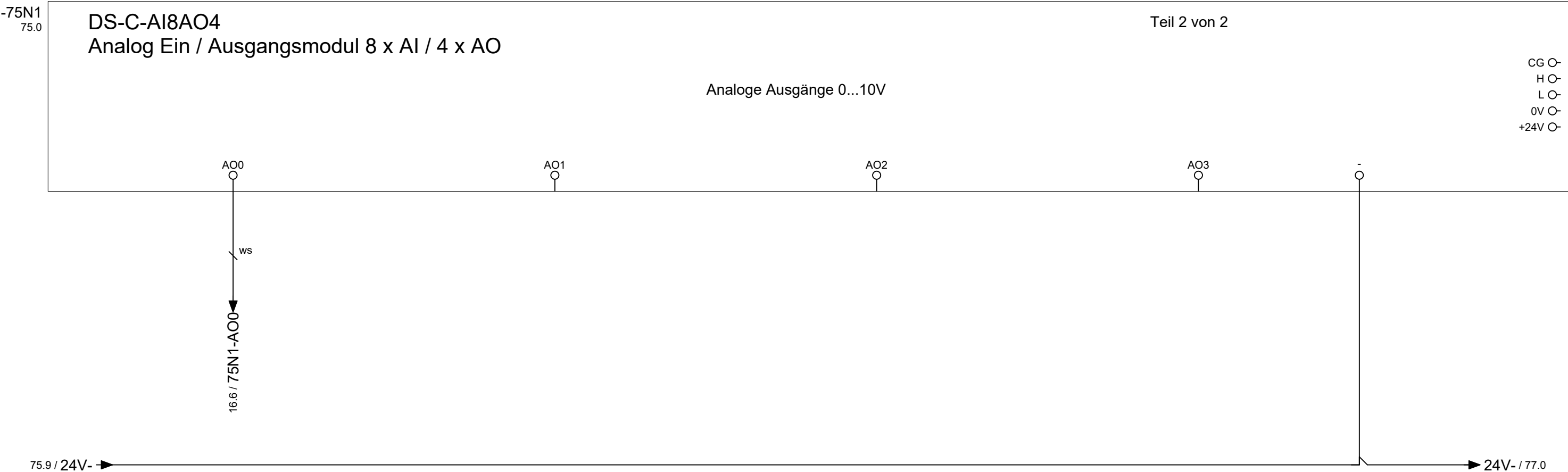
Störung  
BSK 17

Reserve



|                          |                  |                          |                  |                          |                  |
|--------------------------|------------------|--------------------------|------------------|--------------------------|------------------|
| 55.34.9.024.0090 + 94.P4 | 38.51.7.024.0050 | 55.34.9.024.0090 + 94.P4 | 38.51.7.024.0050 | 55.34.9.024.0090 + 94.P4 | 38.51.7.024.0050 |
| 14 ↗                     | 14 ↗             | 14 ↗                     | 14 ↗             | 14 ↗                     | 14 ↗             |
| 12 ↘ 11 23.4             | 12 ↘ 11 23.4     | 12 ↘ 11 24.4             | 12 ↘ 11 24.4     | 12 ↘ 11 25.4             | 12 ↘ 11 25.4     |
| 24 ↗                     |                  | 24 ↗                     |                  | 24 ↗                     |                  |
| 22 ↘ 21 23.7             |                  | 22 ↘ 21 24.7             |                  | 22 ↘ 21 25.7             |                  |
| 34 ↗                     |                  | 34 ↗                     |                  | 34 ↗                     |                  |
| 32 ↘ 31                  |                  | 32 ↘ 31                  |                  | 32 ↘ 31                  |                  |
| 44 ↗                     |                  | 44 ↗                     |                  | 44 ↗                     |                  |
| 42 ↘ 41                  |                  | 42 ↘ 41                  |                  | 42 ↘ 41                  |                  |



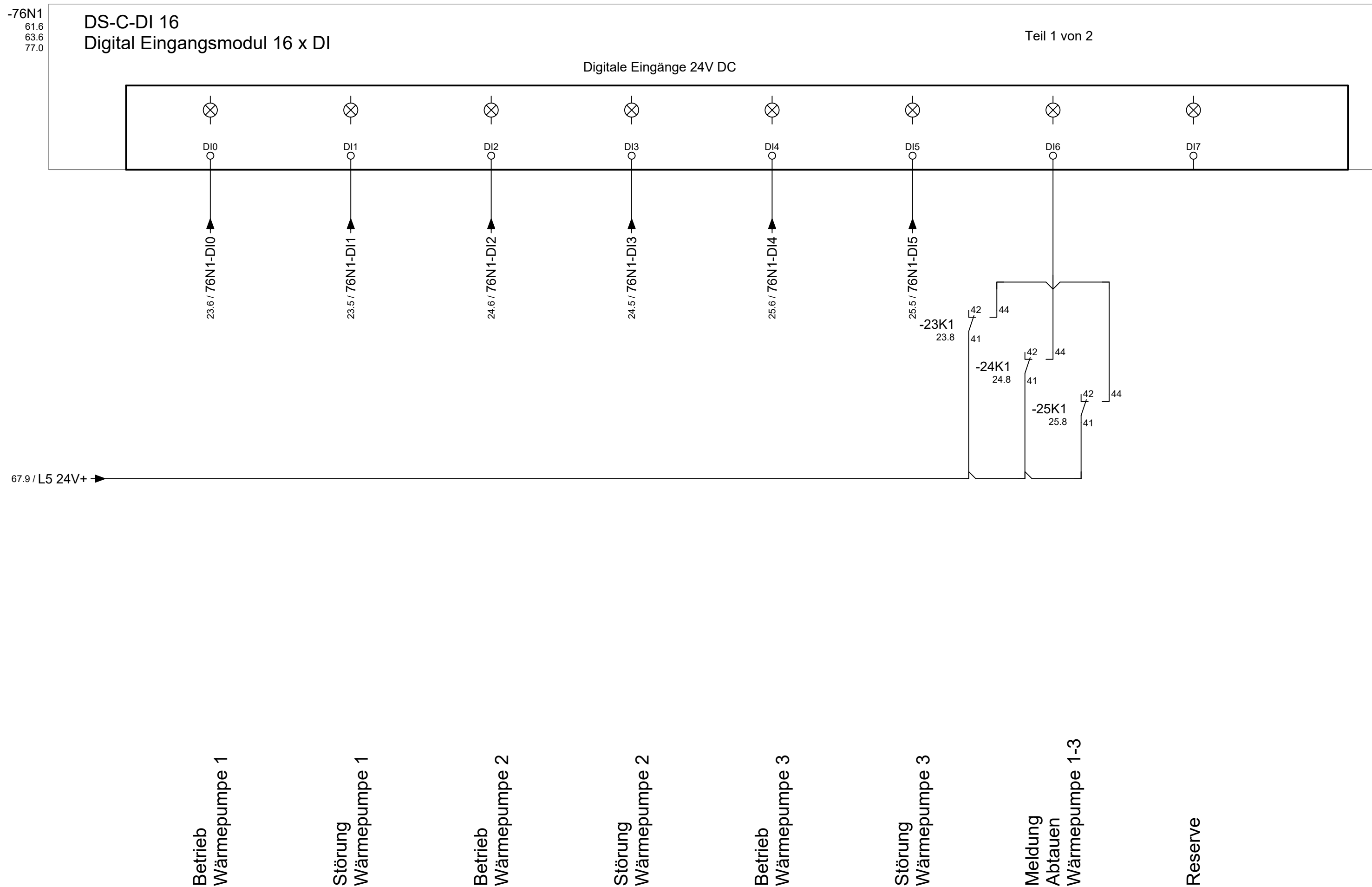


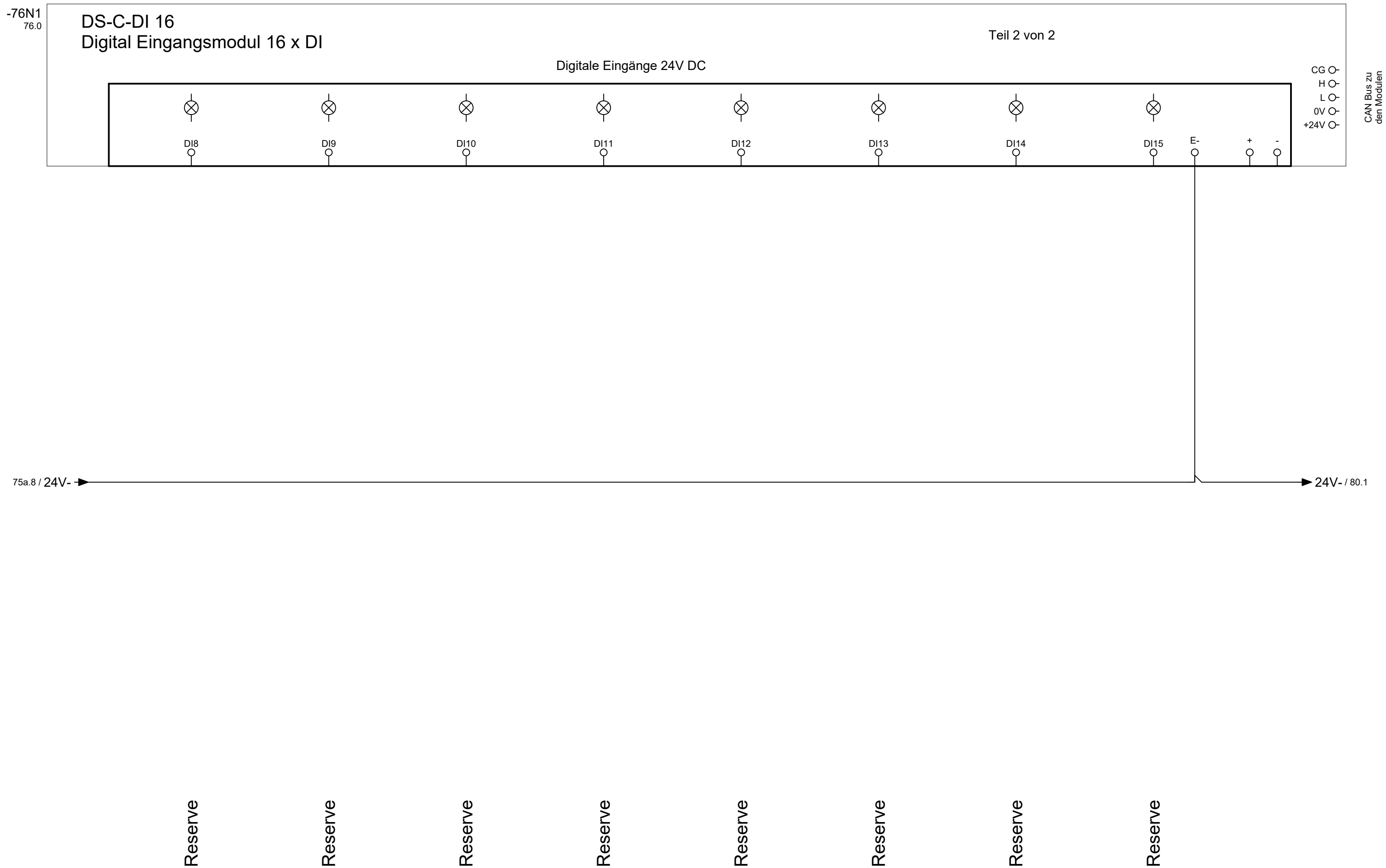
Sollwert  
Außen-/Umluftklappe

Reserve

Reserve

Reserve





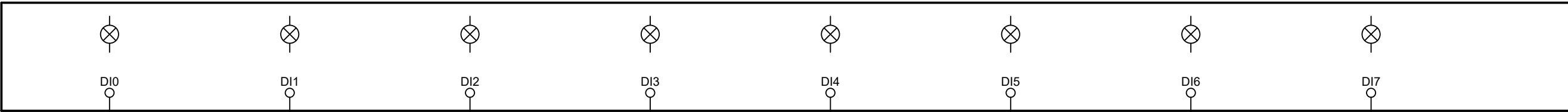
-31KK1  
31.0

-78N1  
62.0  
63.4  
79.0

DS-C-DI 16  
Digital Eingangsmodul 16 x DI

Teil 1 von 2

Digitale Eingänge 24V DC



31.1 / 78N1-DI0 ->

31.2 / 78N1-DI1 ->

31.3 / 78N1-DI2 ->

31.4 / 78N1-DI3 ->

31.5 / 78N1-DI4 ->

31.6 / 78N1-DI5 ->

31.7 / 78N1-DI6 ->

31.8 / 78N1-DI7 ->

Störung  
BSK 1

Störung  
BSK 2

Störung  
BSK 3

Störung  
BSK 4

Störung  
BSK 5

Störung  
BSK 6

Störung  
BSK 7

Störung  
BSK 8

DS-C-DI 16  
Digital Eingangsmodul 16 x DI

Teil 2 von 2

Digitale Eingänge 24V DC

- CG
- H
- L
- 0V
- +24V

CAN Bus zu  
den Modulen

Störung  
BSK 9  
(Option)

Störung  
BSK 10  
(Option)

Störung  
BSK 11  
(Option)

Störung  
BSK 12  
(Option)

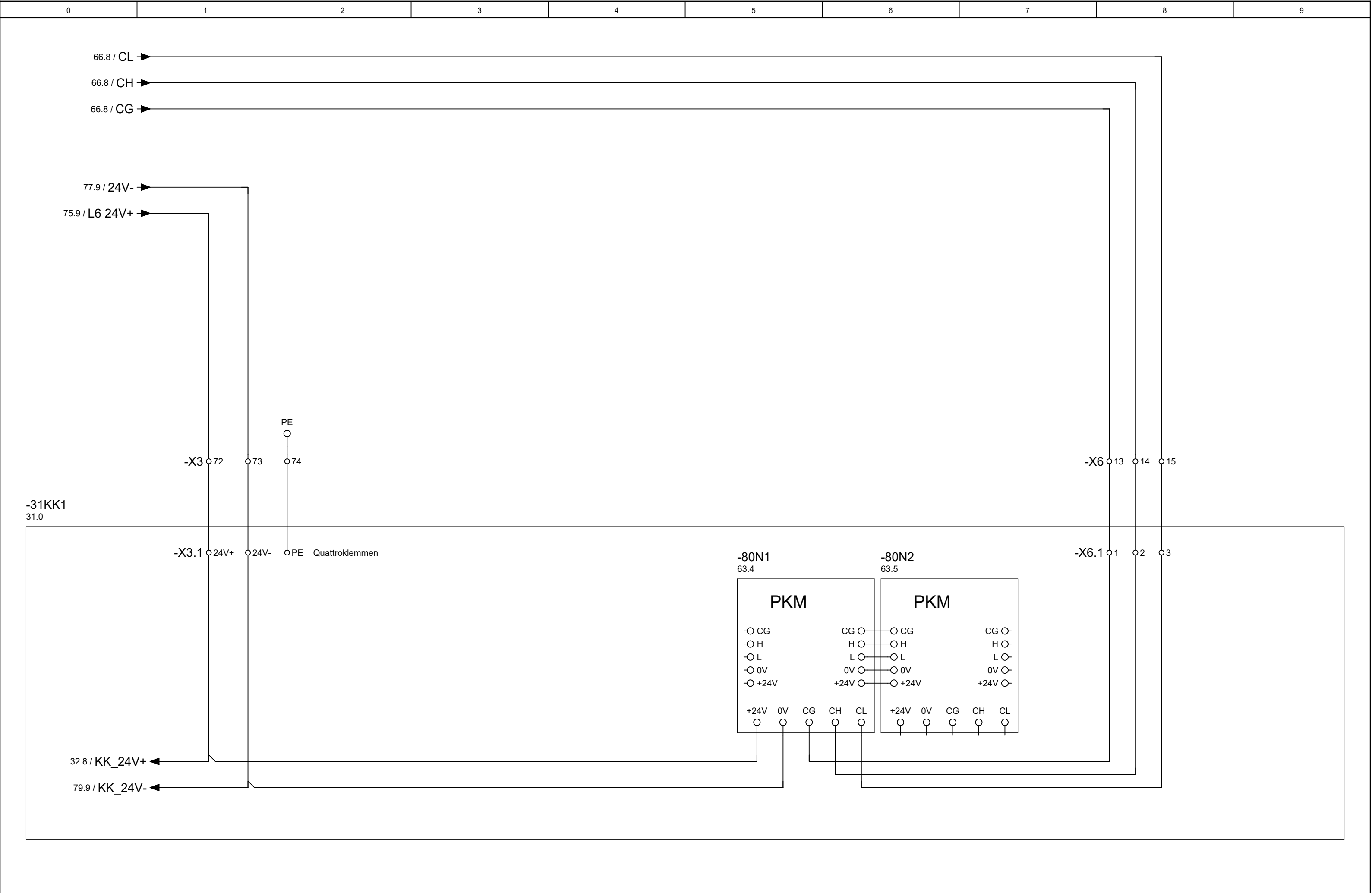
Störung  
BSK 13  
(Option)

Störung  
BSK 14  
(Option)

Reserve

Reserve

KK\_24V- / 80.1



# Klemmenleistenübersicht

Mueller

[illegible]

Klemmenplan

Mueller

|  |  | 2x2x0,8<br>qmm | J-Y(s)Y | Leiste                                       |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|--|--|----------------|---------|----------------------------------------------|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y | 31KK1-X3.1                                   |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y | X3.1 = Klemmleiste Kleinspannung Klemmkasten |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |
|  |  | 2x2x0,8<br>qmm | J-Y(s)Y |                                              |  |  |  |  |  |  |  |  |  | </ |  |  |  |  |  |



Klemmenplan

Mueller

|  |  |  |  |  |  |  |  |  |       | Leiste<br>31KK1-X6.1<br>X6.1 = Klemmleiste Busleitung Klemmkasten |           |        |        |      |           |       | LYCY<br>3x0.5 qmm |  |  |      | Seite |
|--|--|--|--|--|--|--|--|--|-------|-------------------------------------------------------------------|-----------|--------|--------|------|-----------|-------|-------------------|--|--|------|-------|
|  |  |  |  |  |  |  |  |  | Kabel | Ziel                                                              | Anschluss | Klemme | Brücke | Ziel | Anschluss | Kabel | W-31KK1/2         |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       | 31KK1-80N1                                                        | CG        | 1      |        | X6   | 13        |       | ws                |  |  | 80.8 |       |
|  |  |  |  |  |  |  |  |  |       | 31KK1-80N1                                                        | CH        | 2      |        | X6   | 14        |       | br                |  |  | 80.8 |       |
|  |  |  |  |  |  |  |  |  |       | 31KK1-80N1                                                        | CL        | 3      |        | X6   | 15        |       | gn                |  |  | 80.8 |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |
|  |  |  |  |  |  |  |  |  |       |                                                                   |           |        |        |      |           |       |                   |  |  |      |       |





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|                      |  |  |  | OELFLEX<br>110 3G1,5<br>3x1,5 qmm | OELFLEX<br>110 3G1,5<br>3x1,5 qmm | OELFLEX<br>110 3G1,5<br>3x1,5 qmm | OELFLEX<br>110 3G1,5<br>3x1,5 qmm | NYM-J<br>1x16 qmm |       | Leiste<br>X01<br>X01 = Klemmleiste vorm Hauptschalter |           |        |        |      |           |       |  |  |  |     | Seite |
|----------------------|--|--|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------|-------|-------------------------------------------------------|-----------|--------|--------|------|-----------|-------|--|--|--|-----|-------|
|                      |  |  |  | W-8E4                             | W-8E3                             | W-8E2                             | W-8E1                             | W-3W1             | Kabel | Ziel                                                  | Anschluss | Klemme | Brücke | Ziel | Anschluss | Kabel |  |  |  |     |       |
| Einspeisung          |  |  |  |                                   |                                   |                                   |                                   |                   |       |                                                       |           | 1      | ┌      | XL   | 2         |       |  |  |  | 3.1 |       |
| =                    |  |  |  |                                   |                                   |                                   |                                   |                   |       |                                                       |           | 2      | └      |      |           |       |  |  |  | 3.1 |       |
| =                    |  |  |  |                                   |                                   |                                   |                                   |                   |       |                                                       |           | 3      |        |      |           |       |  |  |  | 3.2 |       |
| =                    |  |  |  |                                   |                                   |                                   |                                   | PE                |       |                                                       | -PA       | PE     | 4      |      |           |       |  |  |  | 3.2 |       |
| Schaltschrank kühlen |  |  |  |                                   |                                   |                                   |                                   |                   |       |                                                       |           | 5      |        | 3B1  | 14        |       |  |  |  | 3.8 |       |
| =                    |  |  |  |                                   |                                   |                                   |                                   |                   |       |                                                       |           | 6      | ┌      |      |           |       |  |  |  | 3.8 |       |
| =                    |  |  |  |                                   |                                   |                                   |                                   |                   |       |                                                       |           | 7      | └      |      |           |       |  |  |  | 3.8 |       |
| Gerätebeleuchtung 1  |  |  |  |                                   |                                   |                                   | 1                                 |                   |       |                                                       | 8E1       | L      | 8      | ┌    | 3S1       | 24    |  |  |  | 8.1 |       |
| =                    |  |  |  |                                   |                                   |                                   | 2                                 |                   |       |                                                       | 8E1       | N      | 9      | ┌    |           |       |  |  |  | 8.1 |       |
| =                    |  |  |  |                                   |                                   |                                   | PE                                |                   |       |                                                       | 8E1       | PE     | 10     | ┌    |           |       |  |  |  | 8.1 |       |
| Gerätebeleuchtung 2  |  |  |  |                                   |                                   | 1                                 |                                   |                   |       |                                                       | 8E2       | L      | 11     | ┌    |           |       |  |  |  | 8.2 |       |
| =                    |  |  |  |                                   |                                   | 2                                 |                                   |                   |       |                                                       | 8E2       | N      | 12     | ┌    |           |       |  |  |  | 8.3 |       |
| =                    |  |  |  |                                   |                                   | PE                                |                                   |                   |       |                                                       | 8E2       | PE     | 13     | ┌    |           |       |  |  |  | 8.3 |       |
| Gerätebeleuchtung 3  |  |  |  |                                   | 1                                 |                                   |                                   |                   |       |                                                       | 8E3       | L      | 14     | ┌    |           |       |  |  |  | 8.4 |       |
| =                    |  |  |  |                                   | 2                                 |                                   |                                   |                   |       |                                                       | 8E3       | N      | 15     | ┌    |           |       |  |  |  | 8.4 |       |
| =                    |  |  |  |                                   | PE                                |                                   |                                   |                   |       |                                                       | 8E3       | PE     | 16     | ┌    |           |       |  |  |  | 8.4 |       |
| Gerätebeleuchtung 4  |  |  |  | 1                                 |                                   |                                   |                                   |                   |       |                                                       | 8E4       | L      | 17     | ┌    |           |       |  |  |  | 8.5 |       |
| =                    |  |  |  | 2                                 |                                   |                                   |                                   |                   |       |                                                       | 8E4       | N      | 18     | ┌    |           |       |  |  |  | 8.5 |       |



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|                           |  |  |  |  |  | OELFLEX<br>110 3G1,5 | 3x1,5 qmm | OELFLEX<br>110 3G1,5 | 3x1,5 qmm | OELFLEX<br>110 3G1,5 | 3x1,5 qmm |       | Leiste<br>X2<br>X2 = Klemmleiste Steuerspannung 230V |           |        |        |      |           |       |  |  |  |  |  |       |
|---------------------------|--|--|--|--|--|----------------------|-----------|----------------------|-----------|----------------------|-----------|-------|------------------------------------------------------|-----------|--------|--------|------|-----------|-------|--|--|--|--|--|-------|
|                           |  |  |  |  |  | W-22A2/4             |           | W-21A2/4             |           | W-20A2/4             |           | Kabel | Ziel                                                 | Anschluss | Klemme | Brücke | Ziel | Anschluss | Kabel |  |  |  |  |  | Seite |
| Wärmepumpe 1 Inneneinheit |  |  |  |  |  |                      |           |                      |           | 1                    |           |       | 20A2                                                 | VD        | 1      |        |      | 23K1      | A1    |  |  |  |  |  | 23.8  |
| =                         |  |  |  |  |  |                      |           |                      |           | 2                    |           |       | 20A2                                                 | VD        | 2      |        |      | 23K1      | A2    |  |  |  |  |  | 23.8  |
| =                         |  |  |  |  |  |                      |           |                      |           | PE                   |           |       | 20A2                                                 | PE        | 3      |        |      |           | PE    |  |  |  |  |  | 23.8  |
| Wärmepumpe 2 Inneneinheit |  |  |  |  |  |                      |           | 1                    |           |                      |           |       | 21A2                                                 | VD        | 4      |        |      | 24K1      | A1    |  |  |  |  |  | 24.8  |
| =                         |  |  |  |  |  |                      |           | 2                    |           |                      |           |       | 21A2                                                 | VD        | 5      |        |      | 24K1      | A2    |  |  |  |  |  | 24.8  |
| =                         |  |  |  |  |  |                      |           | PE                   |           |                      |           |       | 21A2                                                 | PE        | 6      |        |      |           | PE    |  |  |  |  |  | 24.8  |
| Wärmepumpe 3 Inneneinheit |  |  |  |  |  |                      |           | 1                    |           |                      |           |       | 22A2                                                 | VD        | 7      |        |      | 25K1      | A1    |  |  |  |  |  | 25.8  |
| =                         |  |  |  |  |  |                      |           | 2                    |           |                      |           |       | 22A2                                                 | VD        | 8      |        |      | 25K1      | A2    |  |  |  |  |  | 25.8  |
| =                         |  |  |  |  |  |                      |           | PE                   |           |                      |           |       | 22A2                                                 | PE        | 9      |        |      |           | PE    |  |  |  |  |  | 25.8  |
|                           |  |  |  |  |  |                      |           |                      |           |                      |           |       |                                                      |           |        |        |      |           |       |  |  |  |  |  |       |
|                           |  |  |  |  |  |                      |           |                      |           |                      |           |       |                                                      |           |        |        |      |           |       |  |  |  |  |  |       |
|                           |  |  |  |  |  |                      |           |                      |           |                      |           |       |                                                      |           |        |        |      |           |       |  |  |  |  |  |       |
|                           |  |  |  |  |  |                      |           |                      |           |                      |           |       |                                                      |           |        |        |      |           |       |  |  |  |  |  |       |
|                           |  |  |  |  |  |                      |           |                      |           |                      |           |       |                                                      |           |        |        |      |           |       |  |  |  |  |  |       |
|                           |  |  |  |  |  |                      |           |                      |           |                      |           |       |                                                      |           |        |        |      |           |       |  |  |  |  |  |       |
|                           |  |  |  |  |  |                      |           |                      |           |                      |           |       |                                                      |           |        |        |      |           |       |  |  |  |  |  |       |
|                           |  |  |  |  |  |                      |           |                      |           |                      |           |       |                                                      |           |        |        |      |           |       |  |  |  |  |  |       |

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Mueller

|  |  |  | OELFLEX<br>110 2X1 | 2x1 qmm                        | ÖLFLEX®<br>CLASSIC<br>110 | 3X1 mm | OELFLEX<br>110 2X1 | 2x1 qmm | ÖLFLEX®<br>CLASSIC<br>110 | 3X1 mm | 2x2x0,8<br>qmm | J-Y(ST)-Y | 4x2x0,8<br>qmm | J-Y(ST)-Y |  | Leiste |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  | X3                 | X3 = Klemmleiste Kleinspannung |                           |        |                    |         |                           |        |                |           |                |           |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



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|                           |  |  |  |  |  | OELFLEX<br>110 4X1<br>4x1 qmm | OELFLEX<br>110 10X1<br>10x1 qmm | OELFLEX<br>110 10X1<br>10x1 qmm |       | Leiste<br>X3<br>X3 = Klemmleiste Kleinspannung |           |        |        |      |           |       |  |  |  |      | Seite |
|---------------------------|--|--|--|--|--|-------------------------------|---------------------------------|---------------------------------|-------|------------------------------------------------|-----------|--------|--------|------|-----------|-------|--|--|--|------|-------|
|                           |  |  |  |  |  | W-26B1                        | W-22A2/3                        | W-21A2/3                        | Kabel | Ziel                                           | Anschluss | Klemme | Brücke | Ziel | Anschluss | Kabel |  |  |  |      |       |
| Wärmepumpe 2 Inneneinheit |  |  |  |  |  |                               |                                 | 4                               |       | 21A2                                           | 1         | 37     | •      |      |           |       |  |  |  | 24.5 |       |
| =                         |  |  |  |  |  |                               |                                 | 5                               |       | 21A2                                           | 2         | 38     |        |      | 76N1      |       |  |  |  |      | 24.5  |
| =                         |  |  |  |  |  |                               |                                 | 6                               |       | 21A2                                           | 3         | 39     | •      |      |           |       |  |  |  |      | 24.6  |
| =                         |  |  |  |  |  |                               |                                 | 7                               |       | 21A2                                           | 4         | 40     |        |      | 76N1      |       |  |  |  |      | 24.6  |
| =                         |  |  |  |  |  |                               |                                 | 8                               |       | 21A2                                           | TR        | 41     |        |      | 74K3      | 21    |  |  |  |      | 24.6  |
| =                         |  |  |  |  |  |                               |                                 | 9                               |       | 21A2                                           | TR        | 42     |        |      | 23R1      | 6     |  |  |  |      | 24.7  |
| =                         |  |  |  |  |  |                               |                                 | 10                              |       | 21A2                                           | F2        | 43     |        |      |           |       |  |  |  |      | 24.7  |
| Wärmepumpe 3 Inneneinheit |  |  |  |  |  |                               | 1                               |                                 |       | 22A2                                           | COM       | 44     |        |      | 74K6      | 11    |  |  |  |      | 25.4  |
| =                         |  |  |  |  |  |                               | 2                               |                                 |       | 22A2                                           | HEAT      | 45     |        |      | 74K5      | 14    |  |  |  |      | 25.4  |
| =                         |  |  |  |  |  |                               | 3                               |                                 |       | 22A2                                           | COOL      | 46     |        |      | 74K6      | 14    |  |  |  |      | 25.4  |
| =                         |  |  |  |  |  |                               | 4                               |                                 |       | 22A2                                           | 1         | 47     | •      |      |           |       |  |  |  |      | 25.5  |
| =                         |  |  |  |  |  |                               | 5                               |                                 |       | 22A2                                           | 2         | 48     |        |      | 76N1      |       |  |  |  |      | 25.5  |
| =                         |  |  |  |  |  |                               | 6                               |                                 |       | 22A2                                           | 3         | 49     | •      |      |           |       |  |  |  |      | 25.6  |
| =                         |  |  |  |  |  |                               | 7                               |                                 |       | 22A2                                           | 4         | 50     |        |      | 76N1      |       |  |  |  |      | 25.6  |
| =                         |  |  |  |  |  |                               | 8                               |                                 |       | 22A2                                           | TR        | 51     |        |      | 74K5      | 21    |  |  |  |      | 25.6  |
| =                         |  |  |  |  |  |                               | 9                               |                                 |       | 22A2                                           | TR        | 52     |        |      | 23R1      | 10    |  |  |  |      | 25.7  |
| =                         |  |  |  |  |  |                               | 10                              |                                 |       | 22A2                                           | F2        | 53     |        |      |           |       |  |  |  |      | 25.7  |
| Rauchmelder Zuluft        |  |  |  |  |  | 1                             |                                 |                                 |       | 26B1                                           | 1         | 54     | •      |      |           |       |  |  |  |      | 26.2  |







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|                                   |  |  | 2x0,5 qmm | 2x0,5 qmm | 4x0,5 qmm | 2x0,5 qmm | 2x2x0,75 qmm | 2x2x0,75 qmm | Leiste |      |           |        |        |      |           |       |  |  |  |       |
|-----------------------------------|--|--|-----------|-----------|-----------|-----------|--------------|--------------|--------|------|-----------|--------|--------|------|-----------|-------|--|--|--|-------|
|                                   |  |  | LIYCY     | LIYCY     | LIYCY     | LIYCY     | LIYCY-TP     | LIYCY-TP     | X4     |      |           |        |        |      |           |       |  |  |  |       |
|                                   |  |  | W-72B7    | W-72B6    | W-72B5    | W-72B4    | W-72B3       | W-72B2       | Kabel  | Ziel | Anschluss | Klemme | Brücke | Ziel | Anschluss | Kabel |  |  |  | Seite |
| Differenzdrucksensor Abluft       |  |  |           |           |           |           |              | ws           |        | 72B2 | UB+       | 19     | •••••  |      |           |       |  |  |  | 72.2  |
| =                                 |  |  |           |           |           |           |              | br           |        | 72B2 | GND       | 20     | •••••  |      |           |       |  |  |  | 72.2  |
| =                                 |  |  |           |           |           |           |              | gn           |        | 72B2 | AOU1      | 21     | •••••  | 66N1 |           |       |  |  |  | 72.2  |
| =                                 |  |  |           |           |           |           |              | ge           |        | 72B2 | GND       | 22     | •••••  |      |           |       |  |  |  | 72.2  |
| Differenzdrucksensor PWT          |  |  |           |           |           |           | ws           |              |        | 72B3 | UB+       | 23     | •••••  |      |           |       |  |  |  | 72.2  |
| =                                 |  |  |           |           |           |           | br           |              |        | 72B3 | GND       | 24     | •••••  |      |           |       |  |  |  | 72.3  |
| =                                 |  |  |           |           |           |           | gn           |              |        | 72B3 | AOU1      | 25     | •••••  | 66N1 |           |       |  |  |  | 72.3  |
| =                                 |  |  |           |           |           |           | ge           |              |        | 72B3 | GND       | 26     | •••••  |      |           |       |  |  |  | 72.3  |
| Außenlufttemperaturfühler         |  |  |           |           |           | ws        |              |              |        | 72B4 | 1         | 27     | •••••  | 66N1 |           |       |  |  |  | 72.4  |
| =                                 |  |  |           |           |           | br        |              |              |        | 72B4 | 2         | 28     | •••••  |      |           |       |  |  |  | 72.4  |
| Zulufttemperaturfühler hinter PWT |  |  |           |           | ws        |           |              |              |        | 72B5 | G         | 29     | •••••  |      |           |       |  |  |  | 72.4  |
| =                                 |  |  |           |           | br        |           |              |              |        | 72B5 | G0        | 30     | •••••  | 74K1 | A2        |       |  |  |  | 72.5  |
| =                                 |  |  |           |           | gn        |           |              |              |        | 72B5 | U1        | 31     | •••••  | 66N1 |           |       |  |  |  | 72.5  |
| =                                 |  |  |           |           | ge        |           |              |              |        | 72B5 | G0        | 32     | •••••  |      |           |       |  |  |  | 72.5  |
| Zulufttemperaturfühler Gesamt     |  |  |           | ws        |           |           |              |              |        | 72B6 | 1         | 33     | •••••  | 66N1 |           |       |  |  |  | 72.6  |
| =                                 |  |  |           | br        |           |           |              |              |        | 72B6 | 2         | 34     | •••••  |      |           |       |  |  |  | 72.6  |
| Ablufttemperaturfühler            |  |  | ws        |           |           |           |              |              |        | 72B7 | 1         | 35     | •••••  | 66N1 |           |       |  |  |  | 72.7  |
| =                                 |  |  | br        |           |           |           |              |              |        | 72B7 | 2         | 36     | •••••  |      |           |       |  |  |  | 72.7  |







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|                                       |  |  |  |  |  |  |  |  |       | Leiste<br>X7<br>X7 = Klemmleiste Fremdspannung |           |        |        |      |           |       |  |  |  |       |  |
|---------------------------------------|--|--|--|--|--|--|--|--|-------|------------------------------------------------|-----------|--------|--------|------|-----------|-------|--|--|--|-------|--|
|                                       |  |  |  |  |  |  |  |  | Kabel | Ziel                                           | Anschluss | Klemme | Brücke | Ziel | Anschluss | Kabel |  |  |  | Seite |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           | 1      |        | 68K1 | 11        |       |  |  |  | 51.3  |  |
| Potentialfreie Meldung Anlage Betrieb |  |  |  |  |  |  |  |  |       |                                                |           | 2      |        | 68K1 | 14        |       |  |  |  | 51.3  |  |
| Potentialfreie Meldung Anlage Störung |  |  |  |  |  |  |  |  |       |                                                |           | 3      |        | 68K2 | 11        |       |  |  |  | 51.4  |  |
| =                                     |  |  |  |  |  |  |  |  |       |                                                |           | 4      |        | 68K2 | 14        |       |  |  |  | 51.4  |  |
| =                                     |  |  |  |  |  |  |  |  |       |                                                |           | 5      |        | 68K3 | 11        |       |  |  |  | 51.5  |  |
| Potentialfreie Meldung Anlage Wartung |  |  |  |  |  |  |  |  |       |                                                |           | 6      |        | 68K3 | 14        |       |  |  |  | 51.5  |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           |       |  |  |  |       |  |
|                                       |  |  |  |  |  |  |  |  |       |                                                |           |        |        |      |           | </    |  |  |  |       |  |



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|                 |  |  |  |  |  |  |  |  |       | Leiste<br>XR<br>XR = Klemmleiste Router |           |        |        |      |           |       |  |  |  |       |  |
|-----------------|--|--|--|--|--|--|--|--|-------|-----------------------------------------|-----------|--------|--------|------|-----------|-------|--|--|--|-------|--|
|                 |  |  |  |  |  |  |  |  | Kabel | Ziel                                    | Anschluss | Klemme | Brücke | Ziel | Anschluss | Kabel |  |  |  | Seite |  |
| Router (Option) |  |  |  |  |  |  |  |  |       | 66U1                                    | +         | +      | '      | X3   | 64        |       |  |  |  | 66.8  |  |
| =               |  |  |  |  |  |  |  |  |       | 66U1                                    | -         | -      | '      | X3   | 69        |       |  |  |  | 66.8  |  |
| =               |  |  |  |  |  |  |  |  |       | 66U1                                    | DI        | DI     | '      | X3   | 66        |       |  |  |  | 66.7  |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |
|                 |  |  |  |  |  |  |  |  |       |                                         |           |        |        |      |           |       |  |  |  |       |  |

Kabelübersicht

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| Kabel    | Quelle<br>von | Ziel<br>bis | Kabel               | Anzahl<br>Adern | Querschnitt | Bemerkung                            |
|----------|---------------|-------------|---------------------|-----------------|-------------|--------------------------------------|
| W-3W1    | X01           | -PA         | NYM-J               | 1               | 16 qmm      | Potentialausgleich                   |
| W-8E1    | X01           | 8E1         | OELFLEX 110 3G1,5   | 3               | 1,5 qmm     | Gerätebeleuchtung 1                  |
| W-8E2    | X01           | 8E2         | OELFLEX 110 3G1,5   | 3               | 1,5 qmm     | Gerätebeleuchtung 2                  |
| W-8E3    | X01           | 8E3         | OELFLEX 110 3G1,5   | 3               | 1,5 qmm     | Gerätebeleuchtung 3                  |
| W-8E4    | X01           | 8E4         | OELFLEX 110 3G1,5   | 3               | 1,5 qmm     | Gerätebeleuchtung 4                  |
| W-8E5    | X01           | 8E5         | OELFLEX 110 3G1,5   | 3               | 1,5 qmm     | Gerätebeleuchtung 5                  |
| W-9A1    | X3            | 9A1         | J-Y(ST)-Y           | 4x2x            | 0,8 qmm     | Brandnotabschaltung Lüftung (Option) |
| W-9A2    | X3            | 9A2         | J-Y(ST)-Y           | 2x2x            | 0,8 qmm     | BMZ Kontakt                          |
| W-11M1/1 | X1            | 11Q1        | OELFLEX 110 4G2,5   | 4               | 2,5 qmm     | Zuluftventilator                     |
| W-11M1/2 | X3            | 11M1        | ÖLFLEX® CLASSIC 110 | 3X              | 1 mm        | =                                    |
| W-11M1/3 | X4            | 11M1        | LIYCY               | 2               | 0,5 qmm     | =                                    |
| W-11Q1   | X3            | 11Q1        | OELFLEX 110 2X1     | 2               | 1 qmm       | Rep.-Schalter Zuluftventilator       |
| W-13M1/1 | X1            | 13Q1        | OELFLEX 110 4G2,5   | 4               | 2,5 qmm     | Abluftventilator                     |
| W-13M1/2 | X3            | 13M1        | ÖLFLEX® CLASSIC 110 | 3X              | 1 mm        | =                                    |
| W-13M1/3 | X4            | 13M1        | LIYCY               | 2               | 0,5 qmm     | =                                    |
| W-13Q1   | X3            | 13Q1        | OELFLEX 110 2X1     | 2               | 1 qmm       | Rep.-Schalter Abluftventilator       |
| W-16Y2   | X3            | 16Y2        | ÖLFLEX® CLASSIC 110 | 3X              | 1 mm        | Fortluftklappe                       |
| W-16Y3   | X4            | 16Y3        | LIYCY               | 4               | 0,5 qmm     | Stellantrieb PWT                     |
| W-16Y4   | X4            | 16Y4        | LIYCY               | 4               | 0,5 qmm     | Außenluftklappe                      |
| W-16Y5   | X4            | 16Y5        | LIYCY               | 4               | 0,5 qmm     | Umluftklappe                         |
| W-20A1/1 | X1            | 20A1        | OELFLEX 110 5G4     | 5               | 4 qmm       | Wärmepumpe 1 Außeneinheit            |
| W-20A1/2 | X6            | 20A1        | LIYCY               | 2               | 0,5 qmm     | =                                    |
| W-20A2/1 | X1            | 20A2        | OELFLEX 110 3G1,5   | 3               | 1,5 qmm     | Wärmepumpe 1 Inneneinheit            |

1. Die Qualität und die Anforderungen an das Kabel sind beim Bauherrn oder bei der Baustellenüberwachung anzufragen. ( zum Beispiel Halogenfrei, et cetera)

2. Die angegebenen Querschnitte der Kabel sind die Minimalanforderungen. Diese sind von der Elektro - Installationsfirma zu überprüfen. ( Der Spannungsabfall ist zu berücksichtigen!)

3. Der Kabeltyp und Kabelquerschnitte sind gemäß DIN, VDE und EVU-Bestimmungen zu überprüfen.

Kabelübersicht

Mueller

| Kabel     | Quelle<br>von | Ziel<br>bis | Kabel             | Anzahl<br>Adern | Querschnitt | Bemerkung                 |
|-----------|---------------|-------------|-------------------|-----------------|-------------|---------------------------|
| W-20A2/2  | X4            | 20A2        | LIYCY             | 4               | 0,5 qmm     | Wärmepumpe 1 Inneneinheit |
| W-20A2/3  | X3            | 20A2        | OELFLEX 110 10X1  | 10              | 1 qmm       | =                         |
| W-20A2/4  | X2            | 20A2        | OELFLEX 110 3G1,5 | 3               | 1,5 qmm     | =                         |
| W-21A1/1  | X1            | 21A1        | OELFLEX 110 5G4   | 5               | 4 qmm       | Wärmepumpe 2 Außeneinheit |
| W-21A1/2  | X6            | 21A1        | LIYCY             | 2               | 0,5 qmm     | =                         |
| W-21A2/1  | X1            | 21A2        | OELFLEX 110 3G1,5 | 3               | 1,5 qmm     | Wärmepumpe 2 Inneneinheit |
| W-21A2/2  | X4            | 21A2        | LIYCY             | 4               | 0,5 qmm     | Wärmepumpe 2 Inneneinheit |
| W-21A2/3  | X3            | 21A2        | OELFLEX 110 10X1  | 10              | 1 qmm       | =                         |
| W-21A2/4  | X2            | 21A2        | OELFLEX 110 3G1,5 | 3               | 1,5 qmm     | =                         |
| W-22A1/1  | X1            | 22A1        | OELFLEX 110 5G4   | 5               | 4 qmm       | Wärmepumpe 3 Außeneinheit |
| W-22A1/2  | X6            | 22A1        | LIYCY             | 2               | 0,5 qmm     | =                         |
| W-22A2/1  | X1            | 22A2        | OELFLEX 110 3G1,5 | 3               | 1,5 qmm     | Wärmepumpe 3 Inneneinheit |
| W-22A2/2  | X4            | 22A2        | LIYCY             | 4               | 0,5 qmm     | Wärmepumpe 3 Inneneinheit |
| W-22A2/3  | X3            | 22A2        | OELFLEX 110 10X1  | 10              | 1 qmm       | =                         |
| W-22A2/4  | X2            | 22A2        | OELFLEX 110 3G1,5 | 3               | 1,5 qmm     | =                         |
| W-26B1    | X3            | 26B1        | OELFLEX 110 4X1   | 4               | 1 qmm       | Rauchmelder Zuluft        |
| W-31KK1/1 | 31KK1-X3.1    | X3          | OELFLEX 110 3G1,5 | 3               | 1,5 qmm     |                           |
| W-31KK1/2 | 31KK1-X6.1    | X6          | LIYCY             | 3               | 0,5 qmm     |                           |
| W-31S1    | 31KK1-X3.1    | 31S1        | J-Y(St)Y          | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 1    |
| W-31S2    | 31KK1-X3.1    | 31S2        | J-Y(St)Y          | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 2    |
| W-31S3    | 31KK1-X3.1    | 31S3        | J-Y(St)Y          | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 3    |
| W-31S4    | 31KK1-X3.1    | 31S4        | J-Y(St)Y          | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 4    |
| W-31S5    | 31KK1-X3.1    | 31S5        | J-Y(St)Y          | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 5    |

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3. Der Kabeltyp und Kabelquerschnitte sind gemäß DIN, VDE und EVU-Bestimmungen zu überprüfen.

Kabelübersicht

Mueller

| Kabel  | Quelle<br>von | Ziel<br>bis | Kabel     | Anzahl<br>Adern | Querschnitt | Bemerkung                                |
|--------|---------------|-------------|-----------|-----------------|-------------|------------------------------------------|
| W-31S6 | 31KK1-X3.1    | 31S6        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 6                   |
| W-31S7 | 31KK1-X3.1    | 31S7        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 7                   |
| W-31S8 | 31KK1-X3.1    | 31S8        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 8                   |
| W-32S1 | 31KK1-X3.1    | 32S1        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 9 (Option)          |
| W-32S2 | 31KK1-X3.1    | 32S2        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 10 (Option)         |
| W-32S3 | 31KK1-X3.1    | 32S3        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 11 (Option)         |
| W-32S4 | 31KK1-X3.1    | 32S4        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 12 (Option)         |
| W-32S5 | 31KK1-X3.1    | 32S5        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 13 (Option)         |
| W-32S6 | 31KK1-X3.1    | 32S6        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 14 (Option)         |
| W-33S1 | X3            | 33S1        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 15                  |
| W-33S2 | X3            | 33S2        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 16                  |
| W-33S3 | X3            | 33S3        | J-Y(St)Y  | 2x2x            | 0,8 qmm     | Endlagenschalter BSK 17                  |
| W-66A1 | X3            | 66A1        | J-Y(ST)-Y | 4x2x            | 0,8 qmm     | Bedientableau                            |
| W-72B1 | X4            | 72B1        | LIYCY-TP  | 2x2x            | 0,75 qmm    | Differenzdrucksensor Zuluft              |
| W-72B2 | X4            | 72B2        | LIYCY-TP  | 2x2x            | 0,75 qmm    | Differenzdrucksensor Abluft              |
| W-72B3 | X4            | 72B3        | LIYCY-TP  | 2x2x            | 0,75 qmm    | Differenzdrucksensor PWT                 |
| W-72B4 | X4            | 72B4        | LIYCY     | 2               | 0,5 qmm     | Außenlufttemperaturfühler                |
| W-72B5 | X4            | 72B5        | LIYCY     | 4               | 0,5 qmm     | Zulufttemperaturfühler hinter PWT        |
| W-72B6 | X4            | 72B6        | LIYCY     | 2               | 0,5 qmm     | Zulufttemperaturfühler Gesamt            |
| W-72B7 | X4            | 72B7        | LIYCY     | 2               | 0,5 qmm     | Ablufttemperaturfühler                   |
| W-72B8 | X4            | 72B8        | LIYCY     | 2               | 0,5 qmm     | Fortlufttemperaturfühler                 |
| W-75B1 | X4            | 75B1        | LIYCY     | 7               | 0,5 qmm     | Kombifühler Raumtemperatur/ Luftqualität |
| W-75B3 | X4            | 75B3        | LIYCY-TP  | 2x2x            | 0,75 qmm    | Differenzdrucksensor Außenluftfilter     |

1. Die Qualität und die Anforderungen an das Kabelsind beim Bauherrn oder bei der Baustellenüberwachung anzufragen. ( zum Beispiel Halogenfrei, et cetera)

2. Die angegebenen Querschnitte der Kabel sind die Minimalanforderungen. Diese sind von der Elektro - Installationsfirma zu überprüfen. ( Der Spannungsabfall ist zu berücksichtigen!)

3. Der Kabeltyp und Kabelquerschnitte sind gemäß DIN, VDE und EVU-Bestimmungen zu überprüfen.



Stückliste

Mueller

| Bauteil-<br>benennung | Schaltplan<br>Position | Menge | Bezeichnung<br>Hersteller                   | Typnummer<br>Hersteller | Hersteller            | Pos |
|-----------------------|------------------------|-------|---------------------------------------------|-------------------------|-----------------------|-----|
| 4K1                   | 4.3                    | 1     | Phasenüberwachung, 2 Wechsler               | PFD2-E12                | BTR Metz Connect GMBH |     |
| 66N1                  | 66.0                   | 1     | High Power Controller                       | DEOS - 600/5 open EMS   | DEOS AG               |     |
| 75N1                  | (MP01.MP1)             | 1     | Analog Eingangsmodul 8 x AI                 | DS-C-AI8                | DEOS AG               |     |
| 75N1                  | 75.0                   | 1     | Analog Ein / Ausgangsmodul 8 x AI / 4 x AO  | DS-C-AI8AO4             | DEOS AG               |     |
| 73N1                  | 73.0                   | 1     | Digital Ein / Ausgangsmodul 8 x DI / 8 x DO | DS-C-DI8 DO8T           | DEOS AG               |     |
| 31KK1-78N1            | 78.0                   | 1     | Digital Eingangsmodul 16 x DI               | DS-C-DI 16              | DEOS AG               |     |
| 76N1                  | 76.0                   | 1     | Digital Eingangsmodul 16 x DI               | DS-C-DI 16              | DEOS AG               |     |
| 31KK1-80N1            | 80.5                   | 1     | Einspeisemodul 24V und Bus                  | PKM                     | DEOS AG               |     |
| 31KK1-80N2            | 80.6                   | 1     | Einspeisemodul 24V und Bus                  | PKM                     | DEOS AG               |     |
| 66N2                  | 66.7                   | 1     | Einspeisemodul 24V und Bus                  | PKM                     | DEOS AG               |     |
| 4F1                   | 4.3                    | 1     | Sicherungsautomat B - 6A 1 polig 10 KA      | FAZ-B6/1                | Eaton Electric Gmbh   |     |
| 4F2                   | 4.4                    | 1     | Sicherungsautomat B - 6A 1 polig 10 KA      | FAZ-B6/1                | Eaton Electric Gmbh   |     |
| 4F3                   | 4.4                    | 1     | Sicherungsautomat B - 6A 1 polig 10 KA      | FAZ-B6/1                | Eaton Electric Gmbh   |     |
| 5F1                   | 5.2                    | 1     | Sicherungsautomat B - 6A 1 polig 10 KA      | FAZ-B6/1                | Eaton Electric Gmbh   |     |
| 20F2                  | 20.4                   | 1     | Sicherungsautomat B - 10A 1 polig 10 kA     | FAZ-B10/1               | Eaton Electric Gmbh   |     |
| 21F2                  | 21.4                   | 1     | Sicherungsautomat B - 10A 1 polig 10 kA     | FAZ-B10/1               | Eaton Electric Gmbh   |     |
| 22F2                  | 22.4                   | 1     | Sicherungsautomat B - 10A 1 polig 10 kA     | FAZ-B10/1               | Eaton Electric Gmbh   |     |
| 11F1                  | 11.1                   | 1     | Sicherungsautomat B - 16A 3 polig 10 kA     | FAZ-B16/3               | Eaton Electric Gmbh   |     |
| 13F1                  | 13.1                   | 1     | Sicherungsautomat B - 16A 3 polig 10 kA     | FAZ-B16/3               | Eaton Electric Gmbh   |     |

Stückliste

Mueller

| Bauteil-<br>benennung | Schaltplan<br>Position | Menge | Bezeichnung<br>Hersteller               | Typnummer<br>Hersteller | Hersteller          | Pos |
|-----------------------|------------------------|-------|-----------------------------------------|-------------------------|---------------------|-----|
| 5F2                   | 5.3                    | 1     | Sicherungsautomat C - 4A 1 polig 10 kA  | FAZ-C4/1                | Eaton Electric Gmbh |     |
| 5F3                   | 5.4                    | 1     | Sicherungsautomat C - 4A 1 polig 10 kA  | FAZ-C4/1                | Eaton Electric Gmbh |     |
| 20F1                  | 20.1                   | 1     | Sicherungsautomat C - 25A 3 polig 10 kA | FAZ-C25/3               | Eaton Electric Gmbh |     |
| 21F1                  | 21.1                   | 1     | Sicherungsautomat C - 25A 3 polig 10 kA | FAZ-C25/3               | Eaton Electric Gmbh |     |
| 22F1                  | 22.1                   | 1     | Sicherungsautomat C - 25A 3 polig 10 kA | FAZ-C25/3               | Eaton Electric Gmbh |     |
| 7S1                   | 7.1                    | 1     | Drucktaster Schwarz mit 1 Ö             | M22-D-S+K01             | Eaton Electric Gmbh |     |
| 68H1                  | 68.0                   | 1     | Leuchtmelder grün 24V                   | M22-L-G+M22-A+LED-W     | Eaton Electric Gmbh |     |
| 68H2                  | 68.1                   | 1     | Leuchtmelder rot 24V                    | M22-L-R+M22-A+LED-W     | Eaton Electric Gmbh |     |
| 4H1                   | 4.5                    | 1     | Leuchtmelder weiss 230V                 | M22-L-W+M22-A+LED230-W  | Eaton Electric Gmbh |     |
| 4H2                   | 4.6                    | 1     | Leuchtmelder weiss 230V                 | M22-L-W+M22-A+LED230-W  | Eaton Electric Gmbh |     |
| 4H3                   | 4.7                    | 1     | Leuchtmelder weiss 230V                 | M22-L-W+M22-A+LED230-W  | Eaton Electric Gmbh |     |
| 68H3                  | 68.2                   | 1     | Leuchtmelder GELB 24V                   | M22-L-Y+M22-A+LED-W     | Eaton Electric Gmbh |     |
| 67S1                  | 67.0                   | 1     | Wahlschalter schwarz - 3 Stellungen     | M22-WRK3+K10+K10        | Eaton Electric Gmbh |     |
| 3S1                   | 3.4                    | 1     | Wahlschalter schwarz - 2 Stellungen     | M22-WRK+K10             | Eaton Electric Gmbh |     |
| 3Q1                   | 3.0                    | 1     | Fingerschutz für NZM 1                  | NZM1-XIPK               | Eaton Electric Gmbh |     |
| 3Q1                   | 3.0                    | 1     | Abdeckung Schraubanschluß               | NZM1-XKSA               | Eaton Electric Gmbh |     |
| 3Q1                   | 3.0                    | 1     | Drehgriff rot - GELB für NZMN 1         | NZM1-XTVDVR             | Eaton Electric Gmbh |     |
| 3Q1                   | 3.0                    | 1     | Hauptschalter 100 A 3 polig             | PN1-100                 | Eaton Electric Gmbh |     |
| 3B1                   | 3.8                    | 1     | Schaltschrankthermostat Kühlen          | 7T.81.0.000.2303        | Finder Relais       |     |

Stückliste

Mueller

| Bauteil-<br>benennung | Schaltplan<br>Position | Menge | Bezeichnung<br>Hersteller          | Typnummer<br>Hersteller  | Hersteller    | Pos |
|-----------------------|------------------------|-------|------------------------------------|--------------------------|---------------|-----|
| 3X1                   | 3.6                    | 1     | Steckdose 230V / 16 A gelb         | 7U.00.8.230.0012         | Finder Relais |     |
| 3X2                   | 3.6                    | 1     | Steckdose 230V / 16 A gelb         | 7U.00.8.230.0012         | Finder Relais |     |
| 68K1                  | 68.1                   | 1     | Koppelrelais 24V DC 1W mit LED     | 38.51.7.024.0050         | Finder Relais |     |
| 68K2                  | 68.2                   | 1     | Koppelrelais 24V DC 1W mit LED     | 38.51.7.024.0050         | Finder Relais |     |
| 68K3                  | 68.3                   | 1     | Koppelrelais 24V DC 1W mit LED     | 38.51.7.024.0050         | Finder Relais |     |
| 68K4                  | 68.4                   | 1     | Koppelrelais 24V DC 1W mit LED     | 38.51.7.024.0050         | Finder Relais |     |
| 68K7                  | 68.6                   | 1     | Koppelrelais 24V DC 1W mit LED     | 38.51.7.024.0050         | Finder Relais |     |
| 68K8                  | 68.7                   | 1     | Koppelrelais 24V DC 1W mit LED     | 38.51.7.024.0050         | Finder Relais |     |
| 69K1                  | 69.1                   | 1     | Koppelrelais 24V DC 1W mit LED     | 38.51.7.024.0050         | Finder Relais |     |
| 74K2                  | 74.2                   | 1     | Koppelrelais 24V DC 1W mit LED     | 38.51.7.024.0050         | Finder Relais |     |
| 74K4                  | 74.4                   | 1     | Koppelrelais 24V DC 1W mit LED     | 38.51.7.024.0050         | Finder Relais |     |
| 74K6                  | 74.6                   | 1     | Koppelrelais 24V DC 1W mit LED     | 38.51.7.024.0050         | Finder Relais |     |
| 7K2                   | 7.2                    | 1     | Miniaturrelais 4 Wechsler 230 V AC | 55.34.8.230.0040 + 94.P4 | Finder Relais |     |
| 23K1                  | 23.8                   | 1     | Miniaturrelais 4 Wechsler 230 V AC | 55.34.8.230.0040 + 94.P4 | Finder Relais |     |
| 24K1                  | 24.8                   | 1     | Miniaturrelais 4 Wechsler 230 V AC | 55.34.8.230.0040 + 94.P4 | Finder Relais |     |
| 25K1                  | 25.8                   | 1     | Miniaturrelais 4 Wechsler 230 V AC | 55.34.8.230.0040 + 94.P4 | Finder Relais |     |
| 9K1                   | 9.5                    | 1     | Miniaturrelais 4 Wechsler 24 V DC  | 55.34.9.024.0090 + 94.P4 | Finder Relais |     |
| 9K2                   | 9.7                    | 1     | Miniaturrelais 4 Wechsler 24 V DC  | 55.34.9.024.0090 + 94.P4 | Finder Relais |     |
| 26K1                  | 26.6                   | 1     | Miniaturrelais 4 Wechsler 24 V DC  | 55.34.9.024.0090 + 94.P4 | Finder Relais |     |

Stückliste

Mueller

| Bauteil-<br>benennung | Schaltplan<br>Position | Menge | Bezeichnung<br>Hersteller         | Typnummer<br>Hersteller  | Hersteller                 | Pos |
|-----------------------|------------------------|-------|-----------------------------------|--------------------------|----------------------------|-----|
| 74K1                  | 74.1                   | 1     | Miniaturrelais 4 Wechsler 24 V DC | 55.34.9.024.0090 + 94.P4 | Finder Relais              |     |
| 74K3                  | 74.3                   | 1     | Miniaturrelais 4 Wechsler 24 V DC | 55.34.9.024.0090 + 94.P4 | Finder Relais              |     |
| 74K5                  | 74.5                   | 1     | Miniaturrelais 4 Wechsler 24 V DC | 55.34.9.024.0090 + 94.P4 | Finder Relais              |     |
| 7K1                   | 7.1                    | 1     | Zeitrelais 230V AC 4 Wechsler     | 85.04.8.240.0000 + 94.P4 | Finder Relais              |     |
| 66U1                  | 66.7                   | 1     | IXrouter3 Ethernet                | IX2400                   | IXON                       |     |
| 5G1                   | 5.2                    | 1     | Netzteil 230V AC / 24V DC - 10A   | NDR-240-24               | MeanWell                   |     |
| Schrank               | 3.4                    | 1     | Tasterblech 10er kompakt          | Tasterblech 10er kompakt | Mueller Schaltanlagen GmbH |     |
| 23R1                  | 23.7                   | 1     | Montageplatte mit 16 Lötunkten    | MP 16                    | Murr Elektronik            |     |
| X7                    |                        | 6     | Durchgangsklemme                  | PT 2,5 OG                | Phoenix Contact            |     |
| Schrank               | 3.4                    | 3     | Durchgangsklemme                  | PT 2,5-QUATTRO           | Phoenix Contact            |     |
| 31KK1-X3.1            |                        | 6     | Durchgangsklemme                  | PT 2,5-QUATTRO BU        | Phoenix Contact            |     |
| Schrank               | 3.4                    | 7     | Durchgangsklemme                  | PT 2,5-QUATTRO BU        | Phoenix Contact            |     |
| 31KK1-X3.1            |                        | 1     | PE Durchgangsklemme               | PT 2,5-QUATTRO-PE        | Phoenix Contact            |     |
| Schrank               | 3.4                    | 2     | PE Durchgangsklemme               | PT 2,5-QUATTRO-PE        | Phoenix Contact            |     |
| 31KK1-X6.1            |                        | 3     | Zugfederklemme 2,5 qmm            | PTI 2,5                  | Phoenix Contact            |     |
| X1                    |                        | 3     | Zugfederklemme 2,5 qmm            | PTI 2,5                  | Phoenix Contact            |     |
| X01                   |                        | 6     | Zugfederklemme 2,5 qmm            | PTI 2,5                  | Phoenix Contact            |     |
| X2                    |                        | 3     | Zugfederklemme 2,5 qmm            | PTI 2,5                  | Phoenix Contact            |     |
| X3                    |                        | 73    | Zugfederklemme 2,5 qmm            | PTI 2,5                  | Phoenix Contact            |     |

Stückliste

Mueller

| Bauteil-<br>benennung | Schaltplan<br>Position | Menge | Bezeichnung<br>Hersteller   | Typnummer<br>Hersteller | Hersteller      | Pos |
|-----------------------|------------------------|-------|-----------------------------|-------------------------|-----------------|-----|
| XL                    |                        | 1     | Zugfederklemme 2,5 qmm      | PTI 2,5                 | Phoenix Contact |     |
| XR                    |                        | 3     | Zugfederklemme 2,5 qmm      | PTI 2,5                 | Phoenix Contact |     |
| X2                    |                        | 3     | Klemme blau 2,5 qmm         | PTI 2,5 BU              | Phoenix Contact |     |
| XL                    |                        | 1     | Klemme blau 2,5 qmm         | PTI 2,5 BU              | Phoenix Contact |     |
| X1                    |                        | 3     | PE - Zugfederklemme 2,5 qmm | PTI 2,5-PE              | Phoenix Contact |     |
| X01                   |                        | 6     | PE - Zugfederklemme 2,5 qmm | PTI 2,5-PE              | Phoenix Contact |     |
| X2                    |                        | 3     | PE - Zugfederklemme 2,5 qmm | PTI 2,5-PE              | Phoenix Contact |     |
| X3                    |                        | 1     | PE - Zugfederklemme 2,5 qmm | PTI 2,5-PE              | Phoenix Contact |     |
| X01                   |                        | 6     | Zugfederklemme 2,5 qmm blau | PTI 2.5 BU              | Phoenix Contact |     |
| X1                    |                        | 6     | Zugfederklemme 4 qmm        | PTI 4                   | Phoenix Contact |     |
| X1                    |                        | 2     | PE - Zugfederklemme 4 qmm   | PTI 4-PE                | Phoenix Contact |     |
| X1                    |                        | 9     | Klemme 6 qmm                | PTI 6                   | Phoenix Contact |     |
| X1                    |                        | 3     | PE - Klemme 6 qmm           | PTI 6-PE                | Phoenix Contact |     |
| Schrank               | 3.4                    | 1     | PE - Klemme 16 qmm          | PTI 16/S-PE             | Phoenix Contact |     |
| X01                   |                        | 1     | PE - Klemme 16 qmm          | PTI 16/S-PE             | Phoenix Contact |     |
| X1                    |                        | 3     | N - Trennklemme 2,5 qmm     | PTN 2,5                 | Phoenix Contact |     |
| X1                    |                        | 3     | N - Trennklemme 6 qmm       | PTN 6                   | Phoenix Contact |     |
| X4                    |                        | 35    | Doppelstockklemme 2,5 qmm   | PTTBS 2,5               | Phoenix Contact |     |
| X6                    |                        | 8     | Doppelstockklemme 2,5 qmm   | PTTBS 2,5               | Phoenix Contact |     |



Artikelsummenstückliste

Mueller

| Lieferant             | Bestellnummer | Bezeichnung                                 | Typnummer              | Menge | Lager | Bestellen |
|-----------------------|---------------|---------------------------------------------|------------------------|-------|-------|-----------|
|                       |               |                                             |                        | 0     |       |           |
| BTR Metz Connect GMBH |               |                                             |                        |       |       |           |
|                       | 110292032215  | Phasenüberwachung, 2 Wechsler               | PFD2-E12               | 1     |       |           |
| DEOS AG               |               |                                             |                        |       |       |           |
|                       |               | Digital Eingangsmodul 16 x DI               | DS-C-DI 16             | 2     |       |           |
|                       |               | Einspeisemodul 24V und Bus                  | PKM                    | 3     |       |           |
|                       |               | High Power Controller                       | DEOS - 600/5 open EMS  | 1     |       |           |
|                       |               | Digital Ein / Ausgangsmodul 8 x DI / 8 x DO | DS-C-DI8 DO8T          | 1     |       |           |
|                       |               | Analog Ein / Ausgangsmodul 8 x AI / 4 x AO  | DS-C-AI8AO4            | 1     |       |           |
|                       |               | Analog Eingangsmodul 8 x AI                 | DS-C-AI8               | 1     |       |           |
| Eaton Electric Gmbh   |               |                                             |                        |       |       |           |
|                       | 278529        | Sicherungsautomat B - 6A 1 polig 10 KA      | FAZ-B6/1               | 4     |       |           |
|                       | 278553        | Sicherungsautomat C - 4A 1 polig 10 kA      | FAZ-C4/1               | 2     |       |           |
|                       | 278847        | Sicherungsautomat B - 16A 3 polig 10 kA     | FAZ-B16/3              | 2     |       |           |
|                       | 278875        | Sicherungsautomat C - 25A 3 polig 10 kA     | FAZ-C25/3              | 3     |       |           |
|                       | 278531        | Sicherungsautomat B - 10A 1 polig 10 kA     | FAZ-B10/1              | 3     |       |           |
|                       |               | Leuchtmelder weiss 230V                     | M22-L-W+M22-A+LED230-W | 3     |       |           |
|                       |               | Leuchtmelder grün 24V                       | M22-L-G+M22-A+LED-W    | 1     |       |           |
|                       |               | Leuchtmelder rot 24V                        | M22-L-R+M22-A+LED-W    | 1     |       |           |
|                       |               | Leuchtmelder GELB 24V                       | M22-L-Y+M22-A+LED-W    | 1     |       |           |
|                       | 259141        | Hauptschalter 100 A 3 polig                 | PN1-100                | 1     |       |           |
|                       |               | Drehgriff rot - GELB für NZMN 1             | NZM1-XTVDVR            | 1     |       |           |
|                       |               | Fingerschutz für NZM 1                      | NZM1-XIPK              | 1     |       |           |
|                       |               | Abdeckung Schraubanschluß                   | NZM1-XKSA              | 1     |       |           |
|                       | 216518        | Wahlschalter schwarz - 2 Stellungen         | M22-WRK+K10            | 1     |       |           |
|                       |               | Drucktaster Schwarz mit 1 Ö                 | M22-D-S+K01            | 1     |       |           |
|                       | 216872        | Wahlschalter schwarz - 3 Stellungen         | M22-WRK3+K10+K10       | 1     |       |           |

Artikelsummenstückliste

Mueller

| Lieferant                  | Bestellnummer    | Bezeichnung                        | Typnummer                | Menge | Lager | Bestellen |
|----------------------------|------------------|------------------------------------|--------------------------|-------|-------|-----------|
| Finder Relais              |                  |                                    |                          |       |       |           |
|                            | 7T.81.0.000.2303 | Schaltschrankthermostat Kühlen     | 7T.81.0.000.2303         | 1     |       |           |
|                            | 85.04.8.240.0000 | Zeitrelais 230V AC 4 Wechsler      | 85.04.8.240.0000 + 94.P4 | 1     |       |           |
|                            | 55.34.8.230.0040 | Miniaturrelais 4 Wechsler 230 V AC | 55.34.8.230.0040 + 94.P4 | 4     |       |           |
|                            | 55.34.9.024.0090 | Miniaturrelais 4 Wechsler 24 V DC  | 55.34.9.024.0090 + 94.P4 | 6     |       |           |
|                            | 38.51.7.024.0050 | Koppelrelais 24V DC 1W mit LED     | 38.51.7.024.0050         | 10    |       |           |
|                            | 7U.00.8.230.0012 | Steckdose 230V / 16 A gelb         | 7U.00.8.230.0012         | 2     |       |           |
|                            |                  |                                    |                          |       |       |           |
|                            | IX2400           | IXrouter3 Ethernet                 | IX2400                   | 1     |       |           |
| MeanWell                   |                  |                                    |                          |       |       |           |
|                            |                  | Netzteil 230V AC / 24V DC - 10A    | NDR-240-24               | 1     |       |           |
| Mueller Schaltanlagen GmbH |                  |                                    |                          |       |       |           |
|                            |                  | Tasterblech 10er kompakt           | Tasterblech 10er kompakt | 1     |       |           |
| Murr Elektronik            |                  |                                    |                          |       |       |           |
|                            |                  | Montageplatte mit 16 Lötunkten     | MP 16                    | 1     |       |           |
| Phoenix Contact            |                  |                                    |                          |       |       |           |
|                            | 0920083          | Sicherungsreihenklemme             | USIG + ST-SI             | 1     |       |           |
|                            | 3209581          | Durchgangsklemme                   | PT 2,5-QUATTRO BU        | 13    |       |           |
|                            | 3209594          | PE Durchgangsklemme                | PT 2,5-QUATTRO-PE        | 3     |       |           |
|                            | 3213968          | Zugfederklemme 2,5 qmm             | PTI 2,5                  | 92    |       |           |
|                            | 3209578          | Durchgangsklemme                   | PT 2,5-QUATTRO           | 3     |       |           |
|                            | 3214024          | PE - Klemme 16 qmm                 | PTI 16/S-PE              | 2     |       |           |
|                            | 3213970          | Zugfederklemme 4 qmm               | PTI 4                    | 6     |       |           |
|                            | 3213964          | PE - Zugfederklemme 4 qmm          | PTI 4-PE                 | 2     |       |           |
|                            | 3213972          | Klemme 6 qmm                       | PTI 6                    | 9     |       |           |
|                            | 3213967          | N - Trennklemme 6 qmm              | PTN 6                    | 3     |       |           |
|                            | 3213966          | PE - Klemme 6 qmm                  | PTI 6-PE                 | 3     |       |           |
|                            | 3213963          | N - Trennklemme 2,5 qmm            | PTN 2,5                  | 3     |       |           |

Artikelsummenstückliste

Mueller

| Lieferant        | Bestellnummer | Bezeichnung                    | Typnummer      | Menge | Lager | Bestellen |
|------------------|---------------|--------------------------------|----------------|-------|-------|-----------|
| Phoenix Contact  |               |                                |                |       |       |           |
|                  | 3213962       | PE - Zugfederklemme 2,5 qmm    | PTI 2,5-PE     | 13    |       |           |
|                  | 3213969       | Zugfederklemme 2,5 qmm blau    | PTI 2.5 BU     | 6     |       |           |
|                  | 3009105       | Hochstromklemme                | UKH 50 BU      | 1     |       |           |
|                  | 0443049       | PE - Klemme 50 qmm             | USLKG 50       | 2     |       |           |
|                  | 3213969       | Klemme blau 2,5 qmm            | PTI 2,5 BU     | 4     |       |           |
|                  | 3209604       | Doppelstockklemme 2,5 qmm      | PTTBS 2,5      | 43    |       |           |
|                  | 3212329       | Durchgangsklemme               | PT 2,5 OG      | 6     |       |           |
| Rox Klimatechnik |               |                                |                |       |       |           |
|                  |               | Montageplatte / Tür            | MONTAGEPLATTE  | 1     |       |           |
| Siemens          |               |                                |                |       |       |           |
|                  | 5SU1356-6KK10 | FI / LS - Schalter 30 mA - B10 | 5SU1 356-6KK10 | 1     |       |           |
| Spelsberg        |               |                                |                |       |       |           |
|                  |               | Leergehäuse 254 x 180 x 137 mm |                | 1     |       |           |

