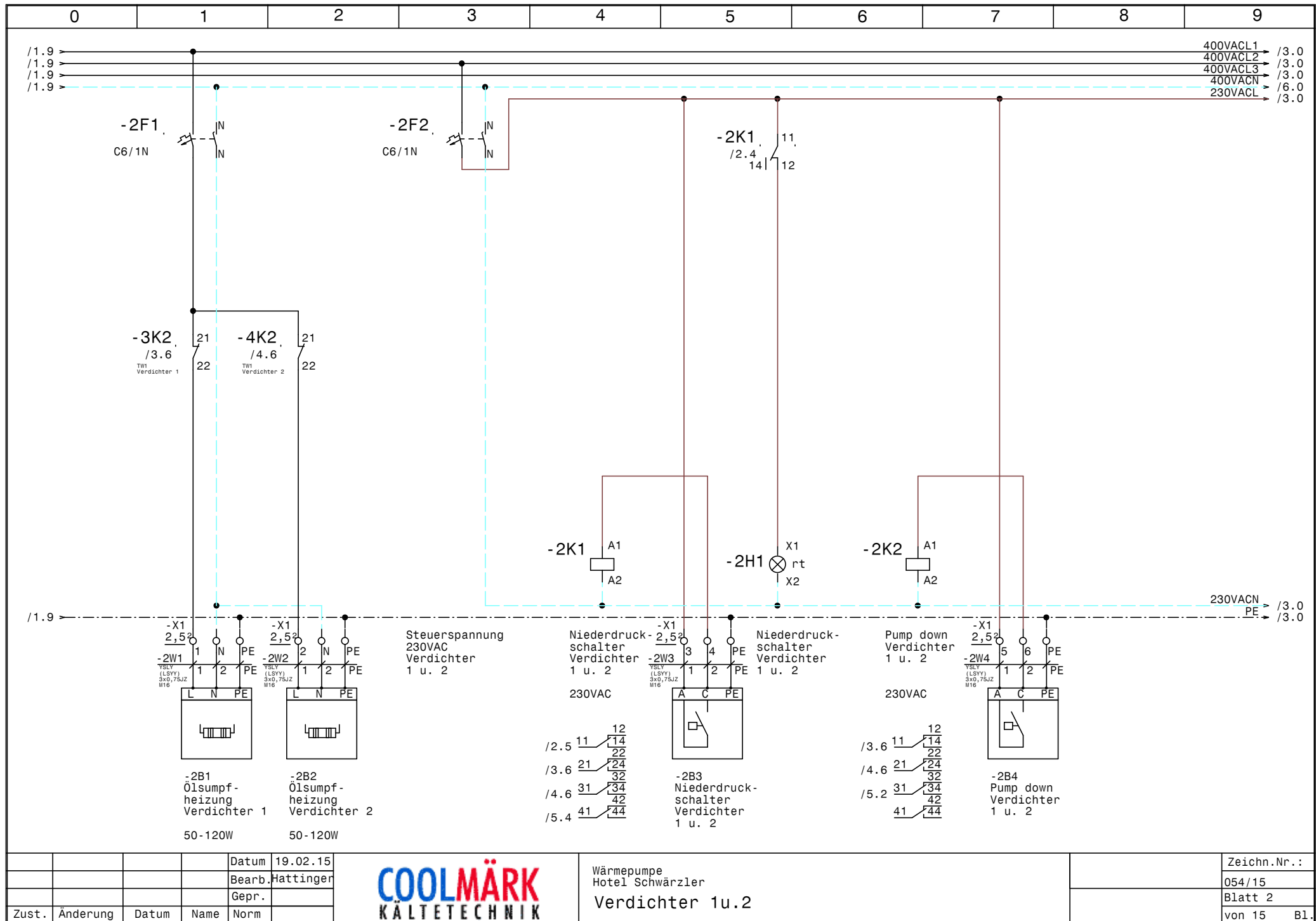






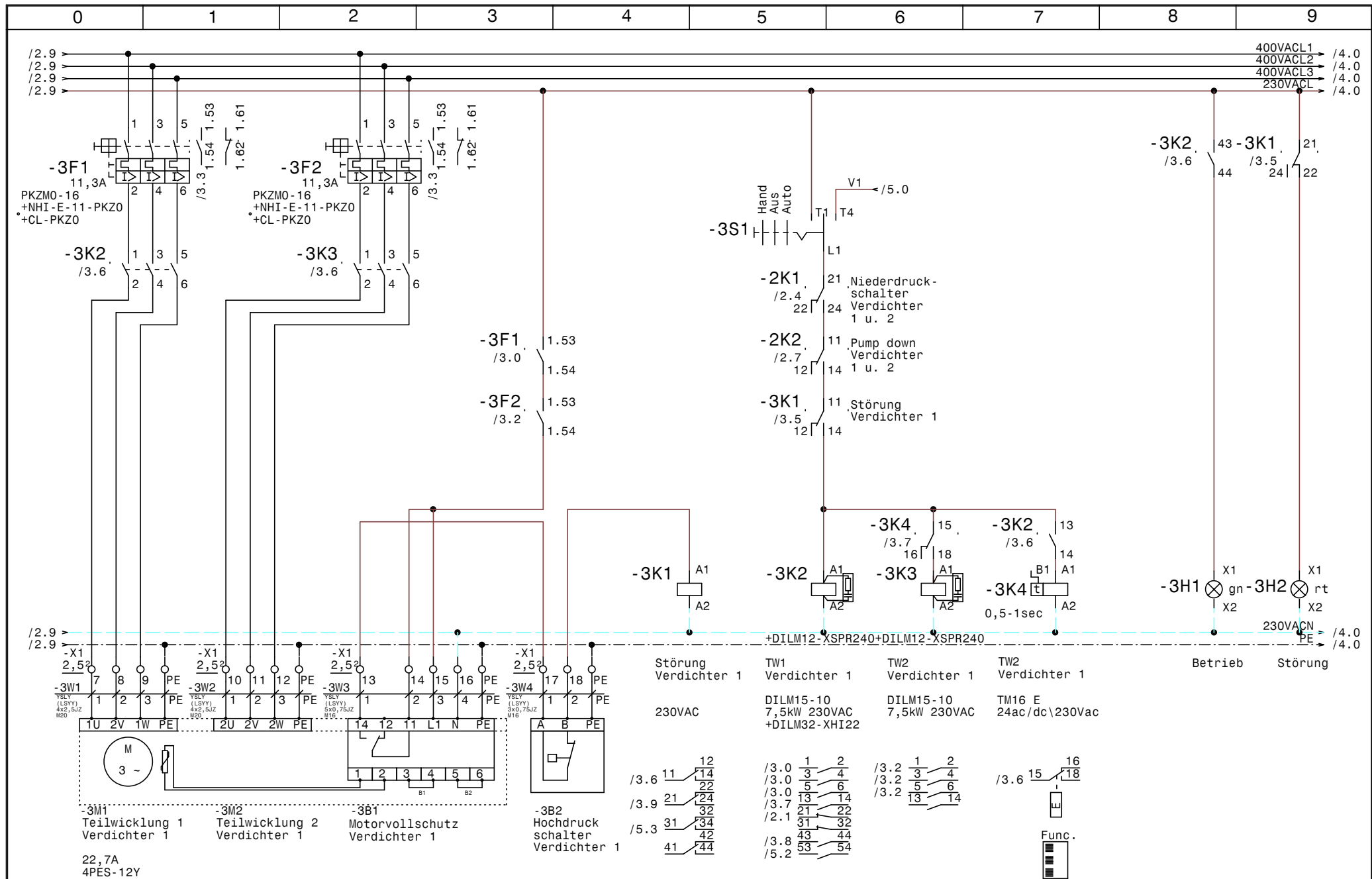


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|-------|----------|-------|--------|-----------|
|       |          |       | Datum  | 19.02.15  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |



Wärmepumpe  
Hotel Schwärzler  
Verdichter 1u.2

|  |             |
|--|-------------|
|  | Zeichn.Nr.: |
|  | 054/15      |
|  | Blatt 2     |
|  | von 15 Bl.  |



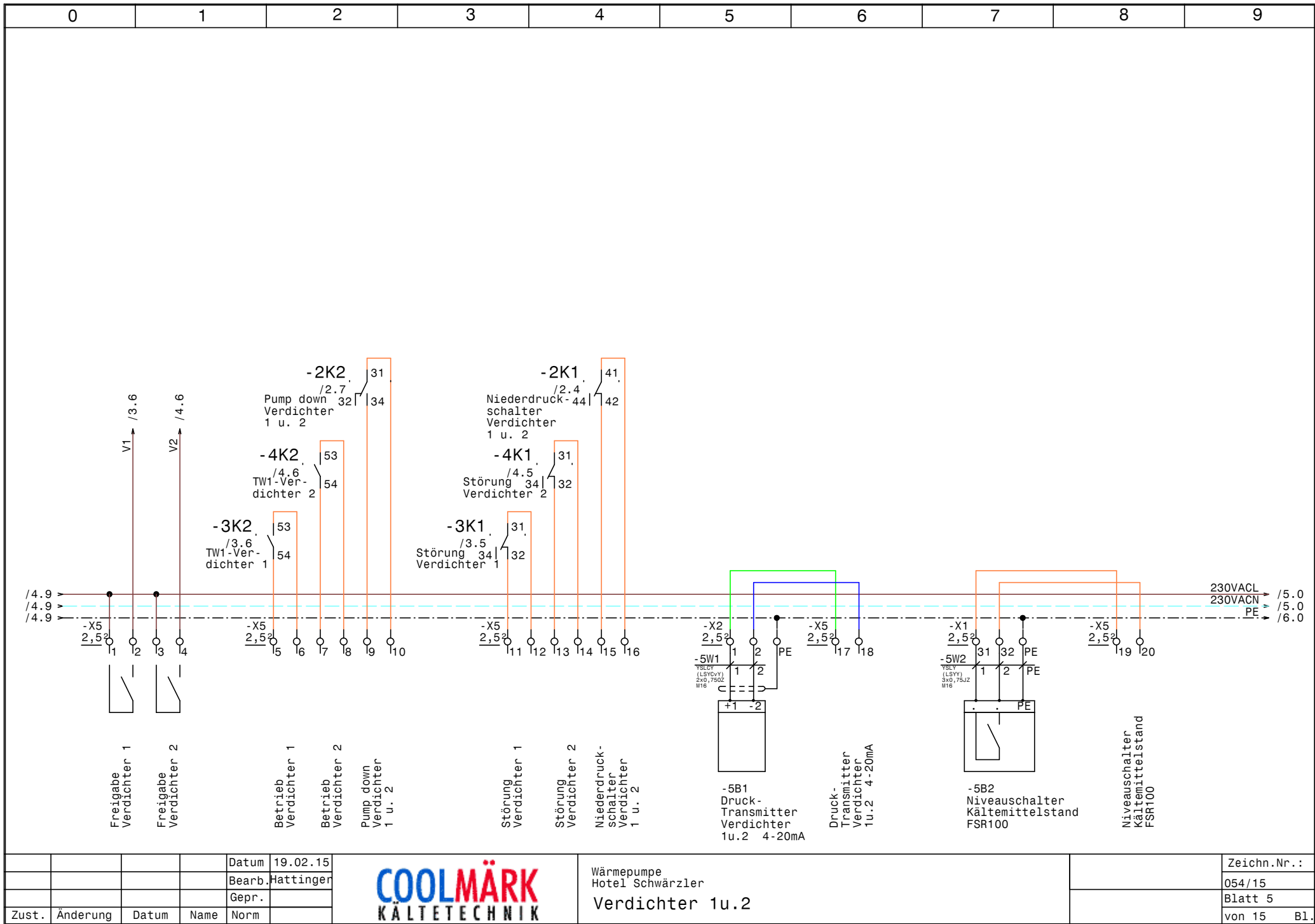
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|-------|----------|-------|--------|-----------|
|       |          |       | Datum  | 19.02.15  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |

**COOLMÄRK**  
KÄLTETECHNIK

Wärmepumpe  
Hotel Schwärzler  
Verdichter 1

Zeichn.Nr.:  
054/15  
Blatt 3  
von 15 Bl.



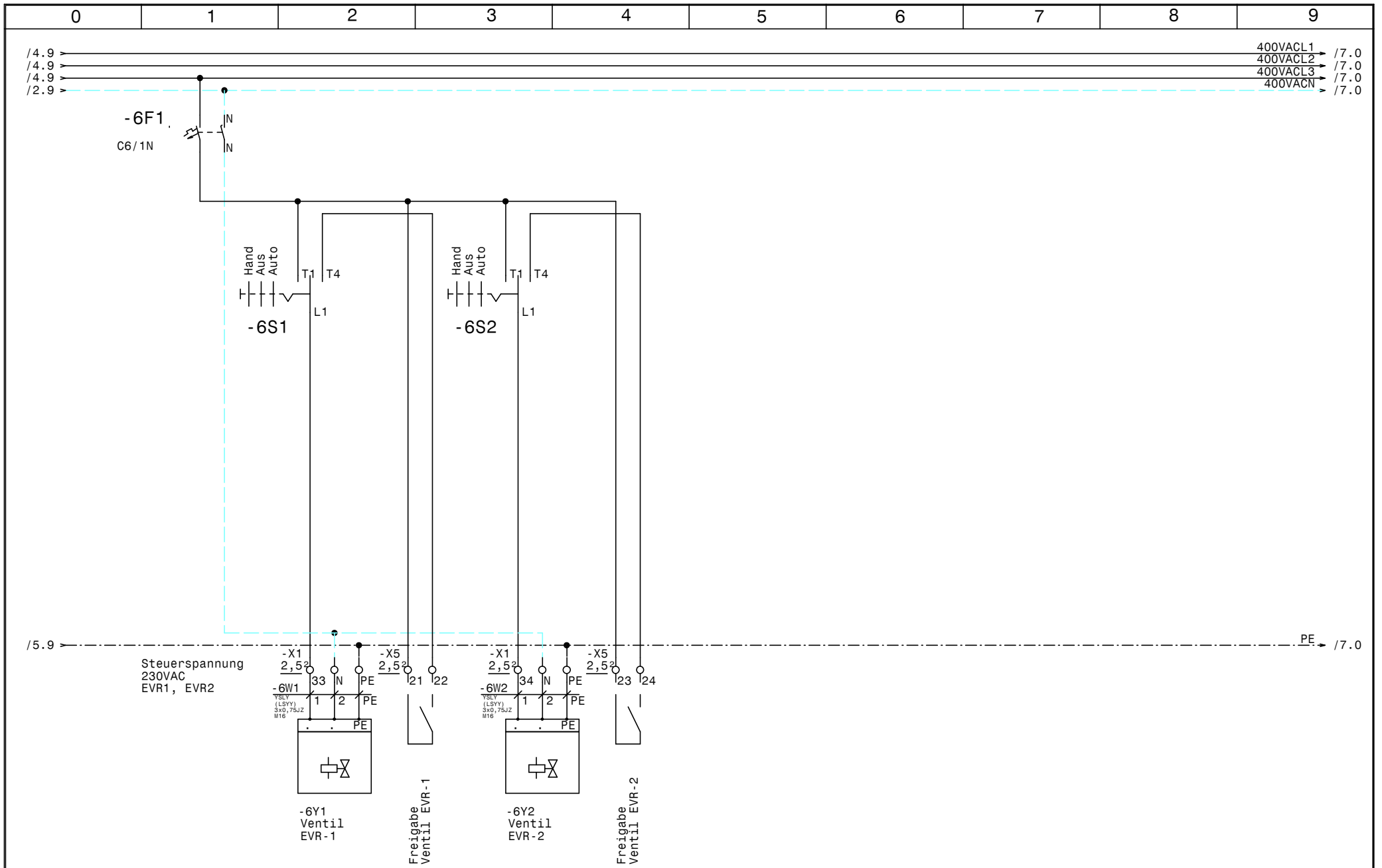


|       |          |       |        |           |
|-------|----------|-------|--------|-----------|
|       |          |       | Datum  | 19.02.15  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |



Wärmepumpe  
Hotel Schwärzler  
Verdichter 1u.2

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|  | Zeichn.Nr.: |
|  | 054/15      |
|  | Blatt 5     |
|  | von 15 Bl.  |

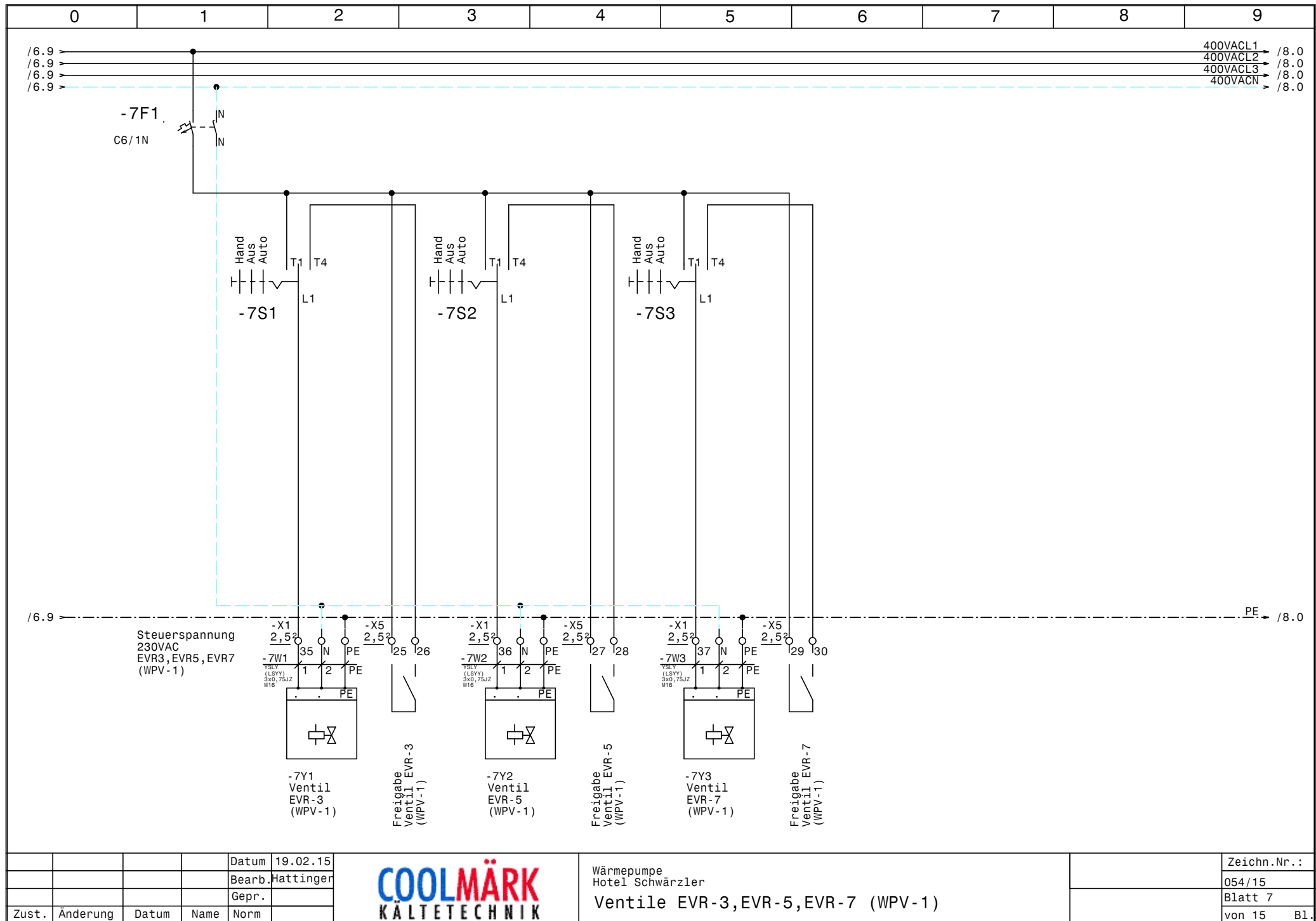


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|-------|----------|-------|--------|-----------|
|       |          |       | Datum  | 19.02.15  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |

**COOLMÄRK**  
KÄLTETECHNIK

Wärmepumpe  
Hotel Schwärzler  
Ventile EVR-1, EVR-2

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| Zeichn.Nr.: |
| 054/15      |
| Blatt 6     |
| von 15 Bl.  |

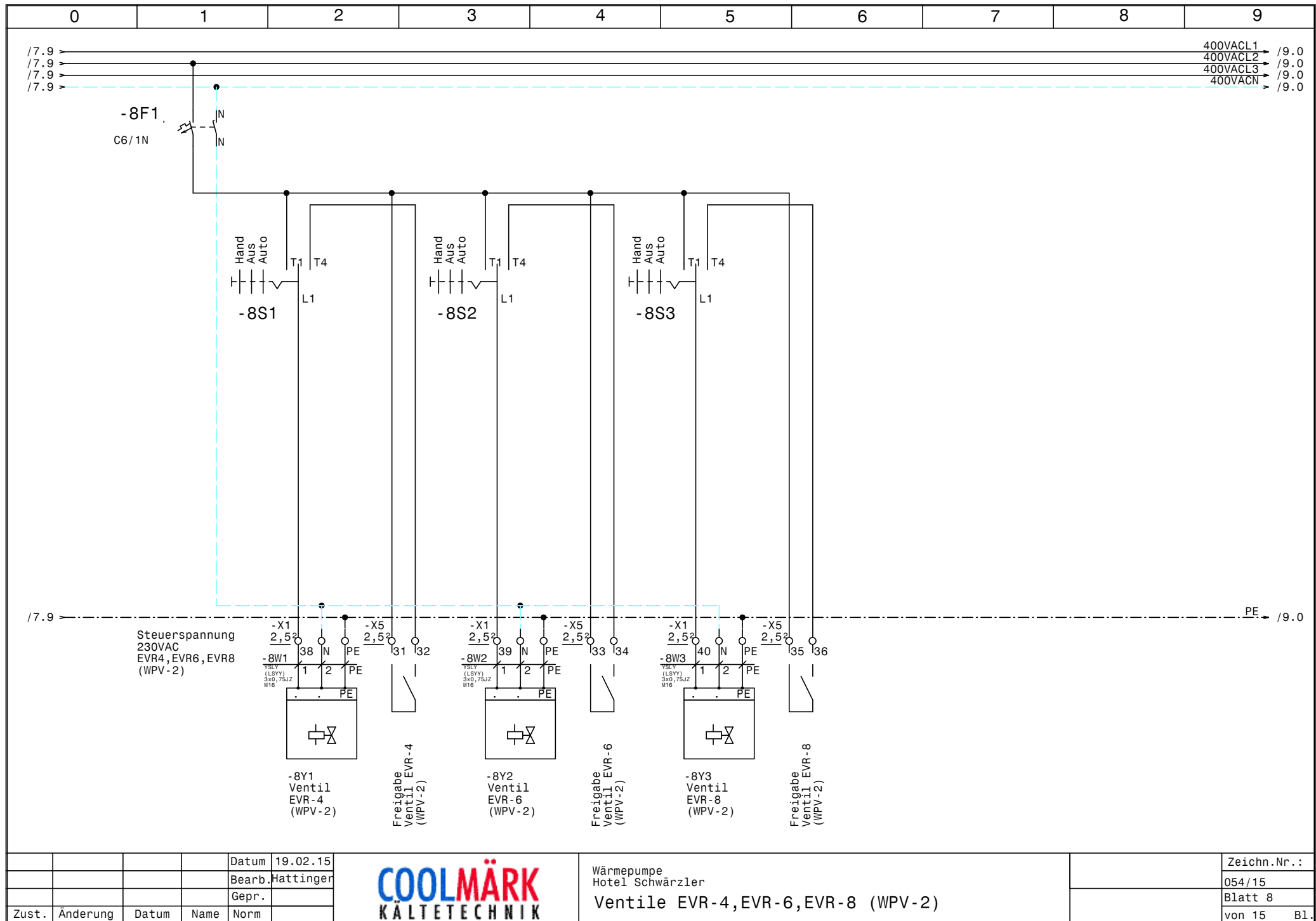


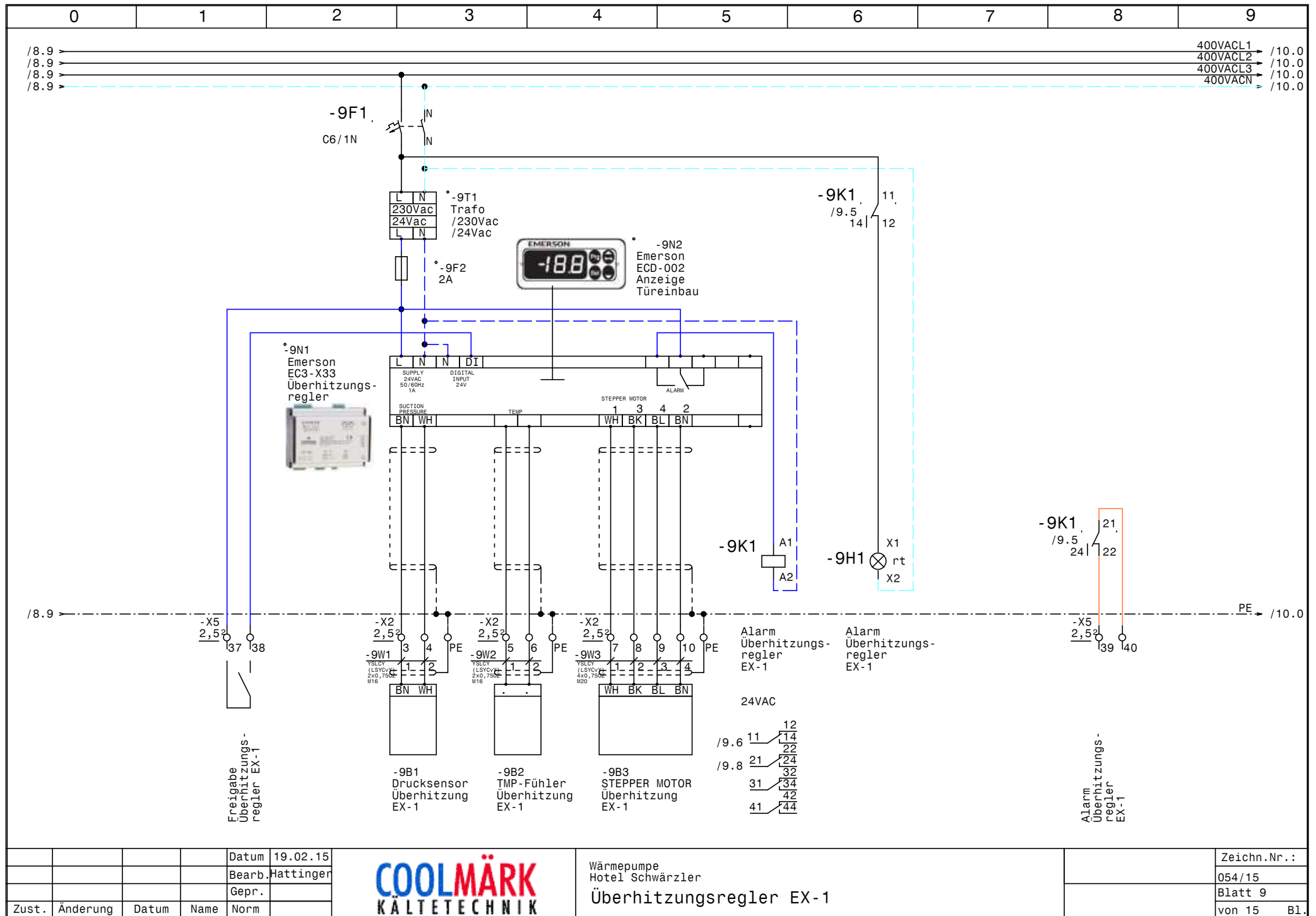
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|       |          |       | Datum  | 19.02.15  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |



Wärmepumpe  
Hotel Schwärzler  
Ventile EVR-3, EVR-5, EVR-7 (WPV-1)

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|  | Zeichn.Nr.: |
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|  | Blatt 7     |
|  | von 15 Bl.  |





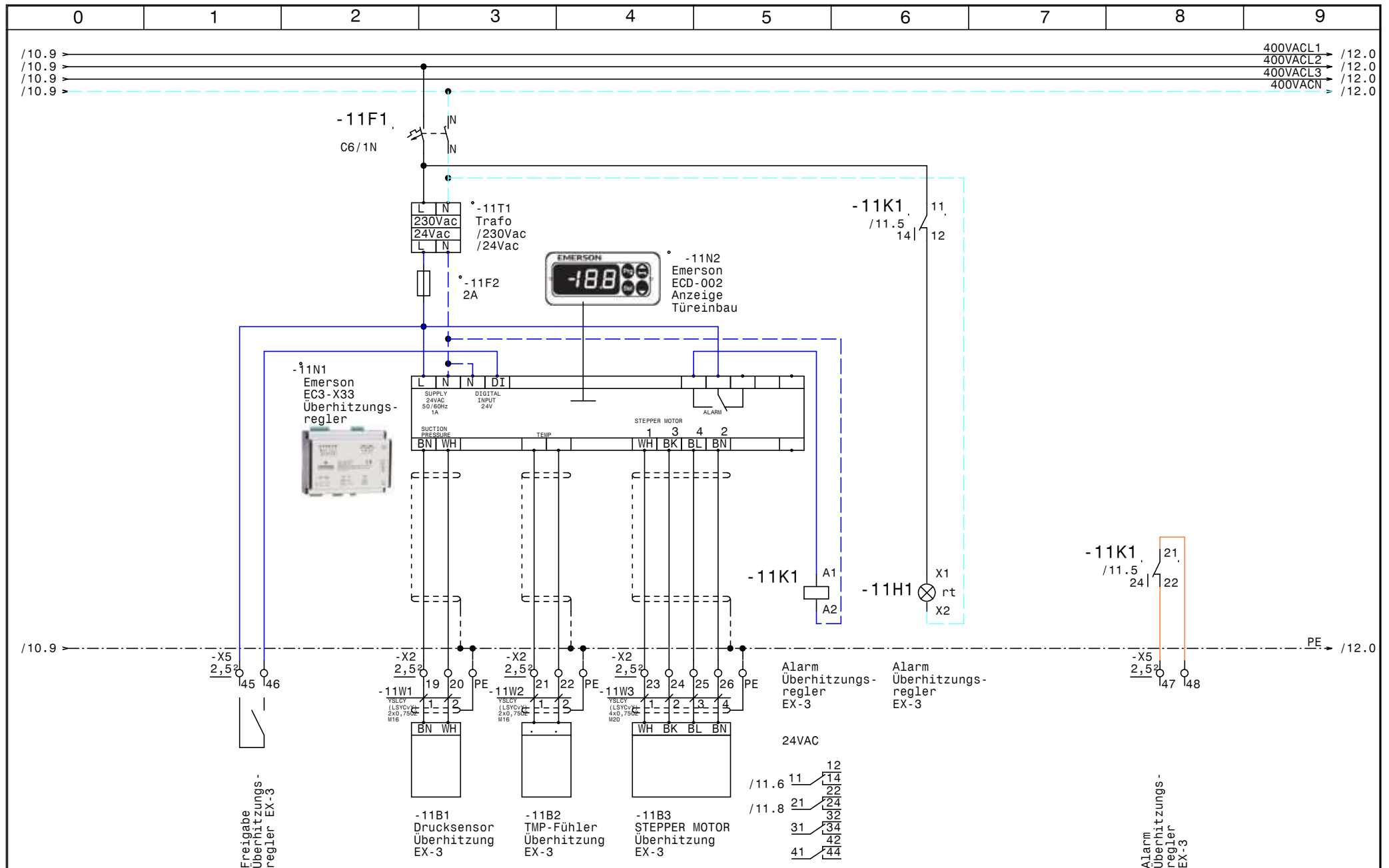
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|       |          |       | Datum  | 19.02.15  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |



Wärmepumpe  
Hotel Schwärzler  
Überhitzungsregler EX-1

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| Zeichn.Nr.: |
| 054/15      |
| Blatt 9     |
| von 15 Bl.  |



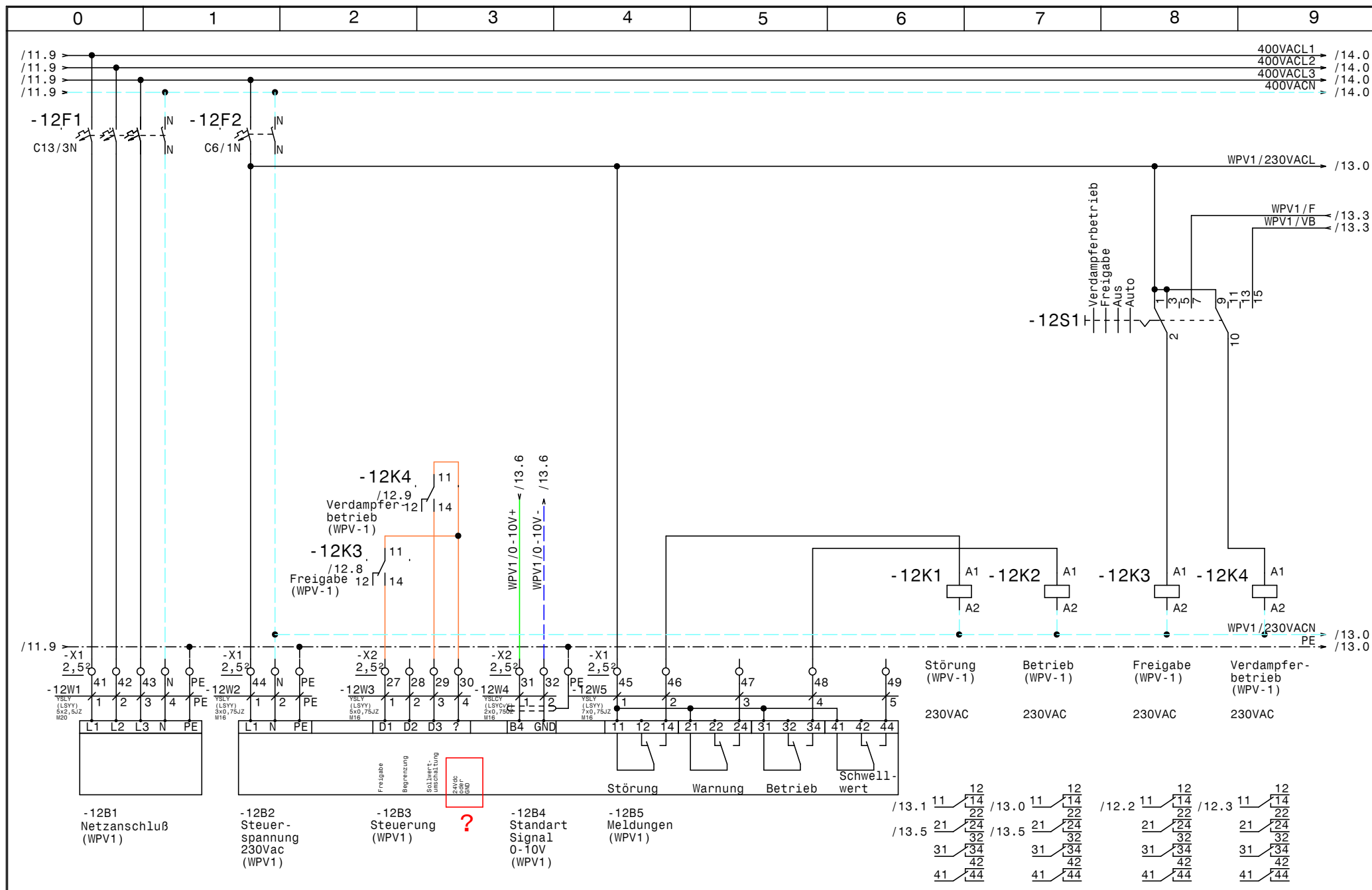


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|       |          |       | Datum  | 19.02.15  |
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|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |

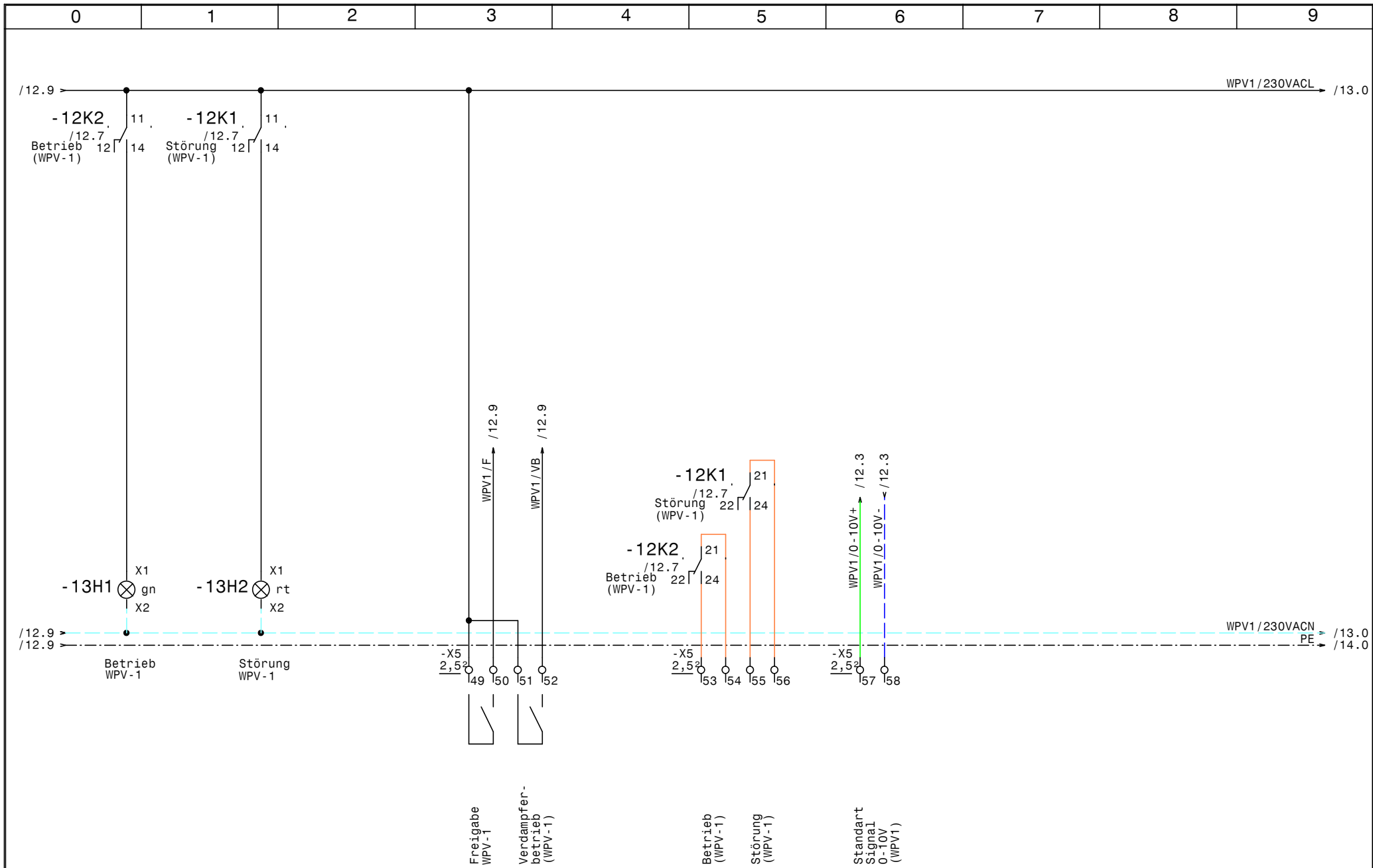
**COOLMÄRK**  
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Wärmepumpe  
Hotel Schwärzler  
Überhitzungsregler EX-3

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| Zeichn.Nr.: |
| 054/15      |
| Blatt 11    |
| von 15 Bl.  |



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|-------|----------|-------|------|--------|-----------|--|-------------------------------------------|--------|-------------|
|       |          |       |      | Datum  | 19.02.15  |  | Wärmepumpe<br>Hotel Schwärzler<br>WPV - 1 |        | Zeichn.Nr.: |
|       |          |       |      | Bearb. | Hattinger |  |                                           |        | 054/15      |
|       |          |       |      | Gepr.  |           |  |                                           |        | Blatt 12    |
| Zust. | Änderung | Datum | Name | Norm   |           |  |                                           | von 15 | Bl.         |

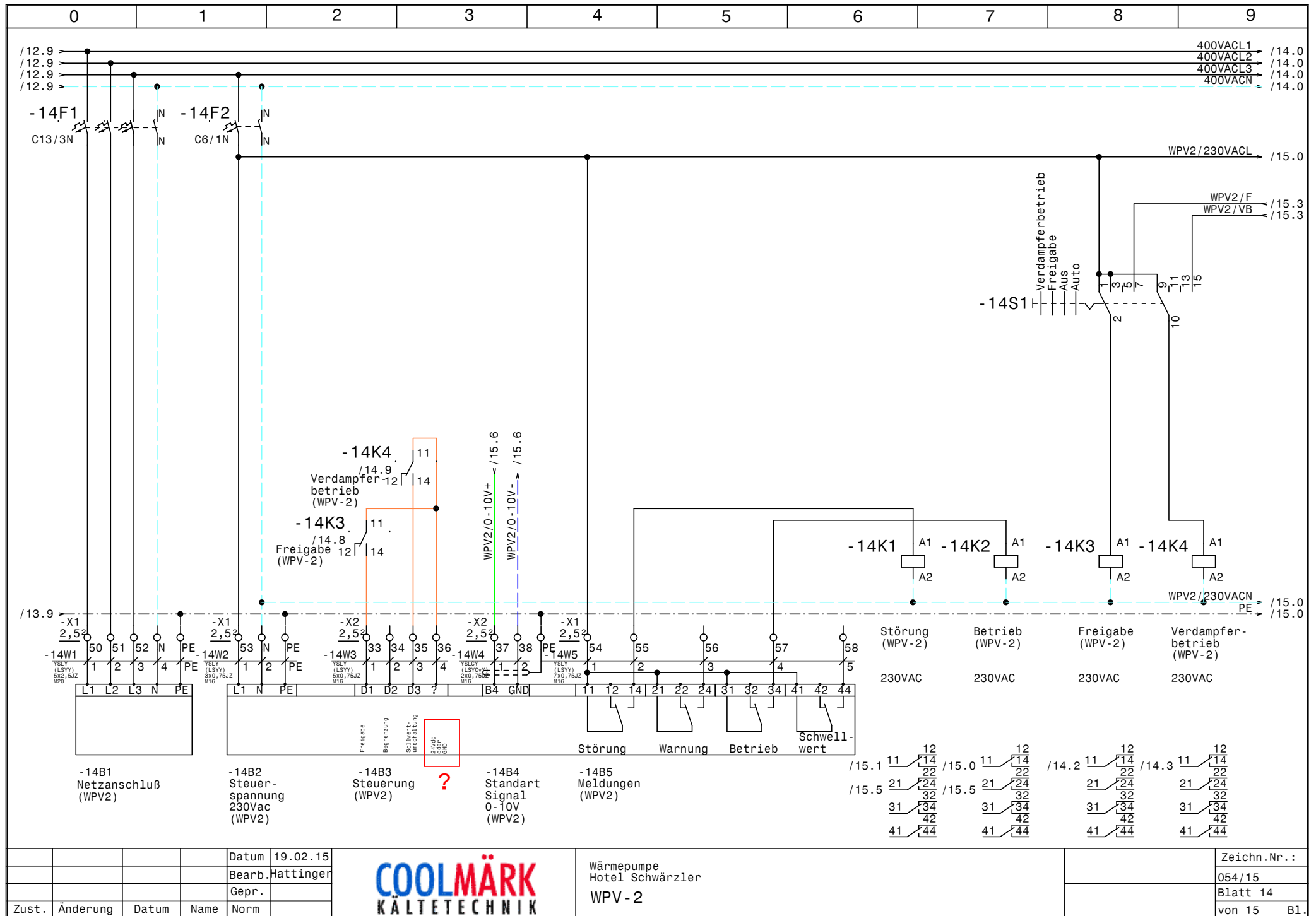


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|       |          |       | Datum  | 19.02.15  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |

**COOLMÄRK**  
KÄLTETECHNIK

Wärmepumpe  
Hotel Schwärzler  
WPV - 1

Zeichn.Nr.:  
054/15  
Blatt 13  
von 15 Bl.

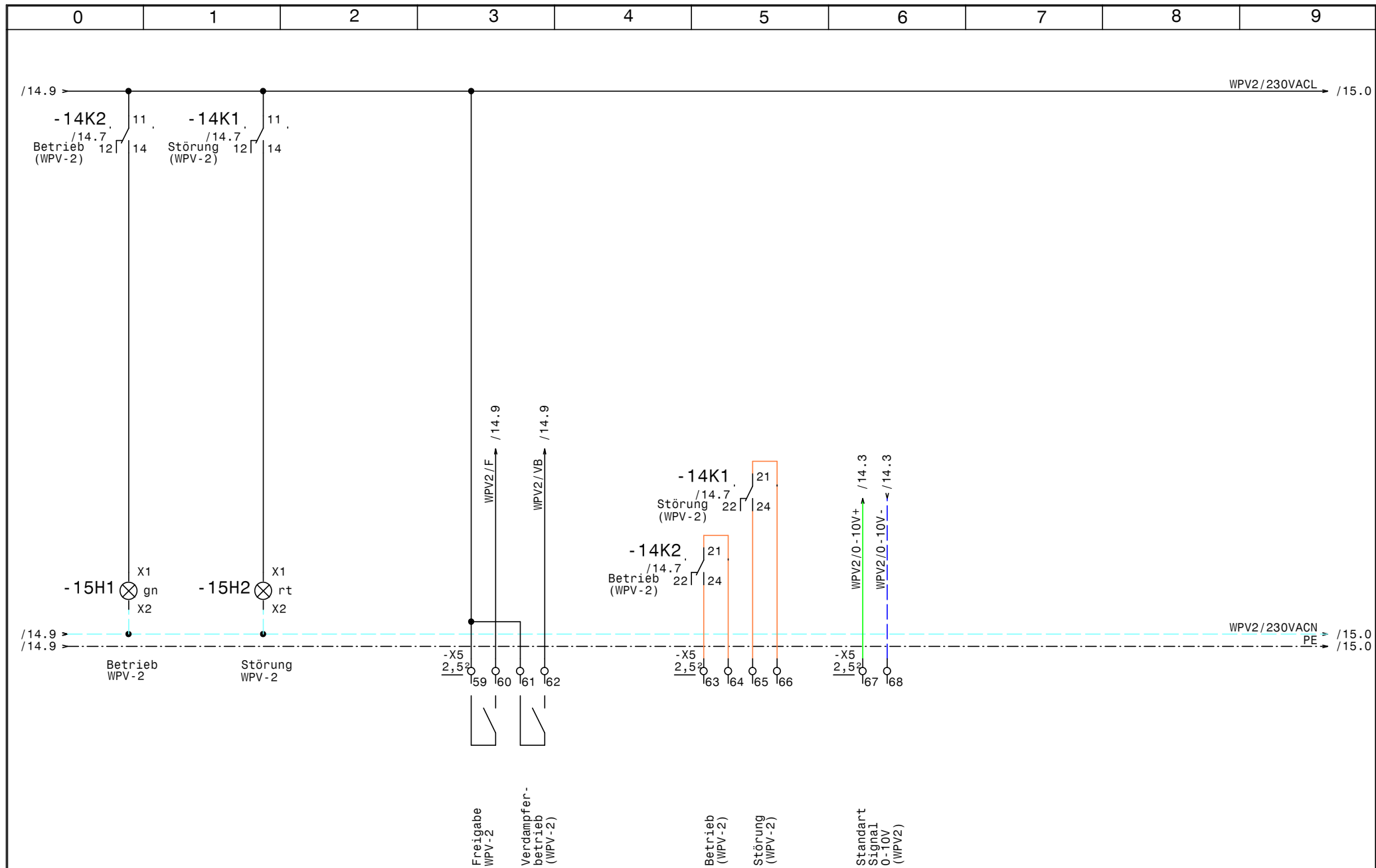


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|       |          |       | Datum  | 19.02.15  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |



Wärmepumpe  
Hotel Schwärzler  
WPV - 2

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| Zeichn.Nr.: |
| 054/15      |
| Blatt 14    |
| von 15 Bl.  |



|       |          |       |      |        |           |  |                                           |             |     |
|-------|----------|-------|------|--------|-----------|--|-------------------------------------------|-------------|-----|
|       |          |       |      | Datum  | 19.02.15  |  | Wärmepumpe<br>Hotel Schwärzler<br>WPV - 2 | Zeichn.Nr.: |     |
|       |          |       |      | Bearb. | Hattinger |  |                                           | 054/15      |     |
|       |          |       |      | Gepr.  |           |  |                                           | Blatt 15    |     |
| Zust. | Änderung | Datum | Name | Norm   |           |  |                                           | von 15      | Bl. |

| 0   |           | 1 |  | 2                        |  | 3 |                             | 4 |  | 5               |                                         | 6 |  | 7 |  | 8 |  | 9 |  |
|-----|-----------|---|--|--------------------------|--|---|-----------------------------|---|--|-----------------|-----------------------------------------|---|--|---|--|---|--|---|--|
| Nr. | Feldgerät |   |  | Leitungs-<br>bezeichnung |  |   | Leitungs-<br>typ            |   |  | Anzahl<br>Adern | Zielbezeichnung                         |   |  |   |  |   |  |   |  |
| 1   | -1We1     |   |  | -1W1                     |  |   | YSLY (LSYY) 5x16JZ M40      |   |  | 5               | Netzeinspeisung 3 x 400V AC N PE        |   |  |   |  |   |  |   |  |
| 2   | -2B1      |   |  | -2W1                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Ölsumpfheizung Verdichter 1             |   |  |   |  |   |  |   |  |
| 3   | -2B2      |   |  | -2W2                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Ölsumpfheizung Verdichter 2             |   |  |   |  |   |  |   |  |
| 4   | -2B3      |   |  | -2W3                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Niederdruckschalter Verdichter 1 u. 2   |   |  |   |  |   |  |   |  |
| 5   | -2B4      |   |  | -2W4                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Pump down Verdichter 1 u. 2             |   |  |   |  |   |  |   |  |
| 6   | -3M1      |   |  | -3W1                     |  |   | YSLY (LSYY) 4x2,5JZ M20     |   |  | 4               | Teilwicklung 1 Verdichter 1             |   |  |   |  |   |  |   |  |
| 7   | -3M2      |   |  | -3W2                     |  |   | YSLY (LSYY) 4x2,5JZ M20     |   |  | 4               | Teilwicklung 2 Verdichter 1             |   |  |   |  |   |  |   |  |
| 8   | -3B1      |   |  | -3W3                     |  |   | YSLY (LSYY) 5x0,75JZ M16    |   |  | 5               | Motorvollschutz Verdichter 1            |   |  |   |  |   |  |   |  |
| 9   | -3B2      |   |  | -3W4                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Hochdruck schalter Verdichter 1         |   |  |   |  |   |  |   |  |
| 10  | -4M1      |   |  | -4W1                     |  |   | YSLY (LSYY) 4x2,5JZ M20     |   |  | 4               | Teilwicklung 1 Verdichter 2             |   |  |   |  |   |  |   |  |
| 11  | -4M2      |   |  | -4W2                     |  |   | YSLY (LSYY) 4x2,5JZ M20     |   |  | 4               | Teilwicklung 2 Verdichter 2             |   |  |   |  |   |  |   |  |
| 12  | -4B1      |   |  | -4W3                     |  |   | YSLY (LSYY) 5x0,75JZ M16    |   |  | 5               | Motorvollschutz Verdichter 2            |   |  |   |  |   |  |   |  |
| 13  | -4B2      |   |  | -4W4                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Hochdruck schalter Verdichter 2         |   |  |   |  |   |  |   |  |
| 14  | -5B1      |   |  | -5W1                     |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  | 2               | DruckTransmitter Verdichter 1u.2 4-20mA |   |  |   |  |   |  |   |  |
| 15  | -5B2      |   |  | -5W2                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Niveauschalter Kältemittelstand FSR100  |   |  |   |  |   |  |   |  |
| 16  | -6Y1      |   |  | -6W1                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Ventil EVR-1                            |   |  |   |  |   |  |   |  |
| 17  | -6Y2      |   |  | -6W2                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Ventil EVR-2                            |   |  |   |  |   |  |   |  |
| 18  | -7Y1      |   |  | -7W1                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Ventil EVR-3 (WPV-1)                    |   |  |   |  |   |  |   |  |
| 19  | -7Y2      |   |  | -7W2                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Ventil EVR-5 (WPV-1)                    |   |  |   |  |   |  |   |  |
| 20  | -7Y3      |   |  | -7W3                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Ventil EVR-7 (WPV-1)                    |   |  |   |  |   |  |   |  |
| 21  | -8Y1      |   |  | -8W1                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Ventil EVR-4 (WPV-2)                    |   |  |   |  |   |  |   |  |
| 22  | -8Y2      |   |  | -8W2                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Ventil EVR-6 (WPV-2)                    |   |  |   |  |   |  |   |  |
| 23  | -8Y3      |   |  | -8W3                     |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Ventil EVR-8 (WPV-2)                    |   |  |   |  |   |  |   |  |
| 24  | -9B1      |   |  | -9W1                     |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  | 2               | Drucksensor Überhitzung EX-1            |   |  |   |  |   |  |   |  |
| 25  | -9B2      |   |  | -9W2                     |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  | 2               | TMP-Fühler Überhitzung EX-1             |   |  |   |  |   |  |   |  |
| 26  | -9B3      |   |  | -9W3                     |  |   | YSLCY (LSYCVY) 4x0,750Z M20 |   |  | 4               | STEPPER MOTOR Überhitzung EX-1          |   |  |   |  |   |  |   |  |
| 27  | -10B1     |   |  | -10W1                    |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  | 2               | Drucksensor Überhitzung EX-2            |   |  |   |  |   |  |   |  |
| 28  | -10B2     |   |  | -10W2                    |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  | 2               | TMP-Fühler Überhitzung EX-2             |   |  |   |  |   |  |   |  |
| 29  | -10B3     |   |  | -10W3                    |  |   | YSLCY (LSYCVY) 4x0,750Z M20 |   |  | 4               | STEPPER MOTOR Überhitzung EX-2          |   |  |   |  |   |  |   |  |
| 30  | -11B1     |   |  | -11W1                    |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  | 2               | Drucksensor Überhitzung EX-3            |   |  |   |  |   |  |   |  |
| 31  | -11B2     |   |  | -11W2                    |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  | 2               | TMP-Fühler Überhitzung EX-3             |   |  |   |  |   |  |   |  |
| 32  | -11B3     |   |  | -11W3                    |  |   | YSLCY (LSYCVY) 4x0,750Z M20 |   |  | 4               | STEPPER MOTOR Überhitzung EX-3          |   |  |   |  |   |  |   |  |
| 33  | -12B1     |   |  | -12W1                    |  |   | YSLY (LSYY) 5x2,5JZ M20     |   |  | 5               | Netzanschluß (WPV1)                     |   |  |   |  |   |  |   |  |
| 34  | -12B2     |   |  | -12W2                    |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Steuerspannung 230Vac (WPV1)            |   |  |   |  |   |  |   |  |
| 35  | -12B3     |   |  | -12W3                    |  |   | YSLY (LSYY) 5x0,75JZ M16    |   |  | 4               | Steuerung (WPV1)                        |   |  |   |  |   |  |   |  |
| 36  | -12B4     |   |  | -12W4                    |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  | 2               | Standart Signal 0-10V (WPV1)            |   |  |   |  |   |  |   |  |
| 37  | -12B5     |   |  | -12W5                    |  |   | YSLY (LSYY) 7x0,75JZ M16    |   |  | 5               | Meldungen (WPV1)                        |   |  |   |  |   |  |   |  |
| 38  | -14B1     |   |  | -14W1                    |  |   | YSLY (LSYY) 5x2,5JZ M20     |   |  | 5               | Netzanschluß (WPV2)                     |   |  |   |  |   |  |   |  |
| 39  | -14B2     |   |  | -14W2                    |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  | 3               | Steuerspannung 230Vac (WPV2)            |   |  |   |  |   |  |   |  |
| 40  | -14B3     |   |  | -14W3                    |  |   | YSLY (LSYY) 5x0,75JZ M16    |   |  | 4               | Steuerung (WPV2)                        |   |  |   |  |   |  |   |  |

|       |          |       |      |        |           |                                                                                     |                  |  |  |  |             |
|-------|----------|-------|------|--------|-----------|-------------------------------------------------------------------------------------|------------------|--|--|--|-------------|
|       |          |       |      | Datum  | 19.02.15  |  | Wärmepumpe       |  |  |  | Zeichn.Nr.: |
|       |          |       |      | Bearb. | Hattinger |                                                                                     | Hotel Schwärzler |  |  |  | 054/15      |
|       |          |       |      | Gepr.  |           |                                                                                     | Kabelliste       |  |  |  | Blatt 1     |
| Zust. | Änderung | Datum | Name | Norm   |           |                                                                                     |                  |  |  |  | von 2 Bl.   |

| 0   |  | 1         |  | 2 |  | 3                        |  | 4 |  | 5                           |  | 6 |  | 7               |  | 8                            |  | 9 |  |  |  |  |  |
|-----|--|-----------|--|---|--|--------------------------|--|---|--|-----------------------------|--|---|--|-----------------|--|------------------------------|--|---|--|--|--|--|--|
|     |  |           |  |   |  |                          |  |   |  |                             |  |   |  |                 |  |                              |  |   |  |  |  |  |  |
| Nr. |  | Feldgerät |  |   |  | Leitungs-<br>bezeichnung |  |   |  | Leitungs-<br>typ            |  |   |  | Anzahl<br>Adern |  | Zielbezeichnung              |  |   |  |  |  |  |  |
| 41  |  | -14B4     |  |   |  | -14W4                    |  |   |  | YSLCY (LSYCVY) 2x0,750Z M16 |  |   |  | 2               |  | Standart Signal 0-10V (WPV2) |  |   |  |  |  |  |  |
| 42  |  | -14B5     |  |   |  | -14W5                    |  |   |  | YSLY (LSYY) 7x0,75JZ M16    |  |   |  | 5               |  | Meldungen (WPV2)             |  |   |  |  |  |  |  |
|     |  |           |  |   |  |                          |  |   |  |                             |  |   |  |                 |  |                              |  |   |  |  |  |  |  |
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|     |  |           |  |   |  |                          |  |   |  |                             |  |   |  |                 |  |                              |  |   |  |  |  |  |  |
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|     |  |           |  |   |  |                          |  |   |  |                             |  |   |  |                 |  |                              |  |   |  |  |  |  |  |
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|     |  |           |  |   |  |                          |  |   |  |                             |  |   |  |                 |  |                              |  |   |  |  |  |  |  |
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| 0             | 1                      | 2     | 3    | 4                                | 5            | 6                                                                                                                                   | 7 | 8 | 9           |
|---------------|------------------------|-------|------|----------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------|---|---|-------------|
| Stück<br>Zahl | Artikel<br>Bezeichnung |       |      | Artikel<br>Beschreibung          |              | Artikel<br>Bezüge                                                                                                                   |   |   |             |
| 4             | NHI-E-11-PKZO          |       |      | Normalhilfsschalter              |              |                                                                                                                                     |   |   |             |
| 4             | PKZMO-16               |       |      | Motorschutzschalter              |              | -4F1, -3F1, -4F2, -3F2                                                                                                              |   |   |             |
| 10            | C6/1N                  |       |      | Sicherungsautomaten              |              | -11F1, -7F1, -6F1, -9F1, -12F2, -8F1                                                                                                |   |   |             |
|               |                        |       |      |                                  |              | -10F1, -2F2, -2F1, -14F2                                                                                                            |   |   |             |
| 3             |                        |       |      | Glasrohrsicherung                |              | -11F2, -10F2, -9F2                                                                                                                  |   |   |             |
| 2             | C13/3N                 |       |      | Sicherungsautomaten              |              | -12F1, -14F1                                                                                                                        |   |   |             |
| 8             | Signalleuchte rot      |       |      | Signalglimmlampe rot             |              | -13H2, -4H2, -11H1, -10H1, -2H1, -9H1                                                                                               |   |   |             |
|               |                        |       |      |                                  |              | -15H2, -3H2                                                                                                                         |   |   |             |
| 4             | Signalleuchte grün     |       |      | Signalglimmlampe grün            |              | -15H1, -3H1, -4H1, -13H1                                                                                                            |   |   |             |
| 12            | Relais4polig230VAC     |       |      | Miniatur - Relais 4polig         |              | -2K2, -14K2, -14K4, -14K1, -14K3, -2K1                                                                                              |   |   |             |
|               |                        |       |      |                                  |              | -12K3, -3K1, -12K4, -4K1, -12K2, -12K1                                                                                              |   |   |             |
| 4             | DILM15-10(230V50HZ)    |       |      | Schütz                           |              | -3K2, -4K2, -3K3, -4K3                                                                                                              |   |   |             |
| 2             | DILM32-XHI22           |       |      | Hilfsschalterbaustein            |              |                                                                                                                                     |   |   |             |
| 2             | TM16 E 24ac/dc\230Vac  |       |      | Multifunktion Zeitrelais         |              | -4K4, -3K4                                                                                                                          |   |   |             |
| 3             | Relais4polig24VAC      |       |      | Miniatur - Relais 4polig         |              | -10K1, -11K1, -9K1                                                                                                                  |   |   |             |
| 15            | Sockel 4polig          |       |      | Sockel für Minitur Relais 4polig |              |                                                                                                                                     |   |   |             |
| 4             | DILM12-XSPR240         |       |      | RC-Löschglied                    |              | -4N1, -4N2, -3N2, -3N1                                                                                                              |   |   |             |
| 3             |                        |       |      | Emerson EC3-X33                  |              | -10N1, -9N1, -11N1                                                                                                                  |   |   |             |
| 3             |                        |       |      | Emerson ECD-002 Anzeige          |              | -11N2, -10N2, -9N2                                                                                                                  |   |   |             |
| 1             | LT100 -66,8A AC23      |       |      | Hauptschalter                    |              | -1Q1                                                                                                                                |   |   |             |
| 10            | M10HEU1                |       |      | Umschalter 1pol. 1-0-2           |              | -7S3, -7S2, -7S1, -4S1, -8S1, -3S1                                                                                                  |   |   |             |
|               |                        |       |      |                                  |              | -6S2, -6S1, -8S2, -8S3                                                                                                              |   |   |             |
| 2             | M10HEST43              |       |      | Stu.schalter 3pol. 1-2-3-4       |              | -14S1, -12S1                                                                                                                        |   |   |             |
| 3             |                        |       |      | Trafo /230Vac /24Vac             |              | -10T1, -11T1, -9T1                                                                                                                  |   |   |             |
| 1             | M40                    |       |      | Kabelverschraubung               |              | -1W1                                                                                                                                |   |   |             |
| 32            | M16                    |       |      | Kabelverschraubung               |              | -7W3, -8W3, -8W1, -7W2, -7W1, -2W1                                                                                                  |   |   |             |
|               |                        |       |      |                                  |              | -2W2, -2W3, -6W1, -2W4, -5W2, -5W1                                                                                                  |   |   |             |
|               |                        |       |      |                                  |              | -4W4, -4W3, -6W2, -11W2, -12W4, -12W3                                                                                               |   |   |             |
|               |                        |       |      |                                  |              | -12W2, -14W2, -14W3, -14W5, -3W3, -12W5                                                                                             |   |   |             |
|               |                        |       |      |                                  |              | -11W1, -14W4, -3W4, -10W2, -10W1, -9W1                                                                                              |   |   |             |
|               |                        |       |      |                                  |              | -9W2, -8W2                                                                                                                          |   |   |             |
| 9             | M20                    |       |      | Kabelverschraubung               |              | -14W1, -3W2, -3W1, -4W2, -12W1, -4W1                                                                                                |   |   |             |
|               |                        |       |      |                                  |              | -9W3, -10W3, -11W3                                                                                                                  |   |   |             |
|               |                        |       |      | Datum                            | 19.02.15     |  Wärmepumpe<br>Hotel Schwärzler<br>Materialliste |   |   | Zeichn.Nr.: |
|               |                        |       |      | Bearb.                           | Hattinger F. |                                                                                                                                     |   |   | 054/15      |
|               |                        |       |      | Gepr.                            |              |                                                                                                                                     |   |   | Blatt 1     |
| Zust.         | Änderung               | Datum | Name | Norm                             |              |                                                                                                                                     |   |   | von 2 Bl.   |

| 0             |  | 1                      |  | 2 |  | 3                       |  | 4 |  | 5                      |  | 6 |  | 7 |  | 8 |  | 9 |  |
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| Stück<br>Zahl |  | Artikel<br>Bezeichnung |  |   |  | Artikel<br>Beschreibung |  |   |  | Artikel<br>Bezüge      |  |   |  |   |  |   |  |   |  |
| 37            |  | EK 2,5 ge/gr           |  |   |  | Erdungsklemme           |  |   |  | -X1, -X2               |  |   |  |   |  |   |  |   |  |
| 14            |  | Klemme 2,5 blau        |  |   |  | Klemme N                |  |   |  | -X1                    |  |   |  |   |  |   |  |   |  |
| 1             |  | EK 16 ge/gr            |  |   |  | Erdungsklemme           |  |   |  | -X1                    |  |   |  |   |  |   |  |   |  |
| 1             |  | Klemme 16 blau         |  |   |  | Klemme N                |  |   |  | -X1                    |  |   |  |   |  |   |  |   |  |
| 3             |  | Klemme 16 grau         |  |   |  | Klemme L                |  |   |  | -X1                    |  |   |  |   |  |   |  |   |  |
| 164           |  | Klemme 2,5 grau        |  |   |  | Klemme L                |  |   |  | -X2, -X1, -X5          |  |   |  |   |  |   |  |   |  |
| 4             |  | +CL -PKZO              |  |   |  | Strombegrenzer          |  |   |  | -4Z2, -3Z2, -4Z1, -3Z1 |  |   |  |   |  |   |  |   |  |
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