

Anlage:

Wärmepumpe

BWW WP Hilti Schan

Firma:

Coolmärk

SCHALTSCHRANKAUSFÜHRUNG

SCHALTSCHRANKGRÖSSE:

600x800x250

(BxHxT)

BEFESTIGUNG-LOCHMASS:

555x755

(BxH)

SOCKEL:

-

(H)

LACKIERUNG:

RAL 7035

SCHUTZART:

IP54

SCHUTZMASSNAHME:

lt. EVU

BLINDSCHALTBILD:

nein

(BxH)

KABELEINFÜHRUNG:

unten

TÜRANSCHLAG:

links

VERDRAHTUNGSFARBEN

HAUPTSTROMKREIS 400/230V:

schwarz

NEUTRALLEITER:

hellblau

SCHUTZLEITER:

gelb/grün

STEUERSPANNUNG 230VAC:

ohne Trafo:

L/N

mit Trafo:

L/N

STEUERSPANNUNG 0-24VAC:

L/N

STEUERSPANNUNG 0-24VDC:

+/-

GND, DDC:

braun/hellblau

MESSLEITUNGEN, FÜHLER:

rot/rot-weiß

POTENTIALFREIE LEITUNGEN:

blau/blau-weiß

FREMDSPANNUNG:

blau/blau-weiß

blau-weiß

grün

orange

orange

Bei Änderungen im Schaltschrank und auch an den externen Geräten die nicht von der Erzeugerfirma durchgeführt werden entfällt Garantie und Haftung. Dadurch entstehende Kosten werden nicht anerkannt. Sollte dies jedoch aus technischer Sicht notwendig sein ist die Erzeugerfirma zu verständigen. Schutzmaßnahmen des Örtlichen EVU's beachten! Motorschutzgeräte nach den tatsächlichen Aufnahmestrom der Motoren einstellen! Vor der Inbetriebnahme der Anlage sind sämtliche Schraub-, Klemm- und Steckverbindungen auf festen Sitz zu prüfen und gegebenenfalls nachzuziehen!

Blattverzeichnis

|     |              |     |            |     |                               |
|-----|--------------|-----|------------|-----|-------------------------------|
| 000 | Deckblatt    | 002 | Verdichter | 004 | Überhitzungsregler Verdichter |
| 001 | Netzanschluß | 003 | Verdichter | 005 | Regelung µC <sup>2</sup> SE   |

Datum

05.06.18

Bearb.

Hattinger

Gepr.

Zust.

Änderung

Datum

Name

Norm

COOLMÄRK

KÄLTETECHNIK

Wärmepumpe

BWW WP Hilti Schan

Deckblatt

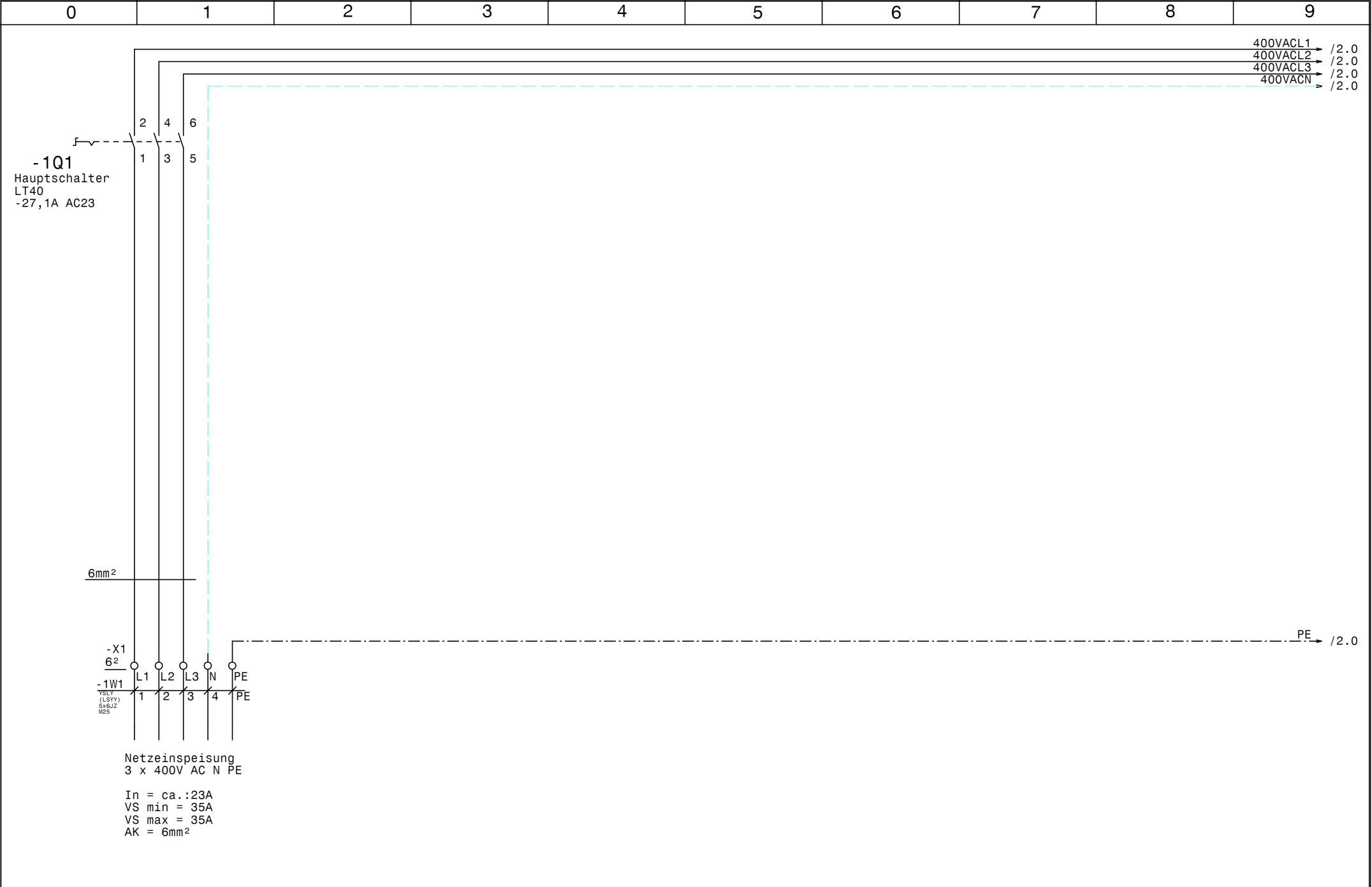
Zeichn.Nr.:

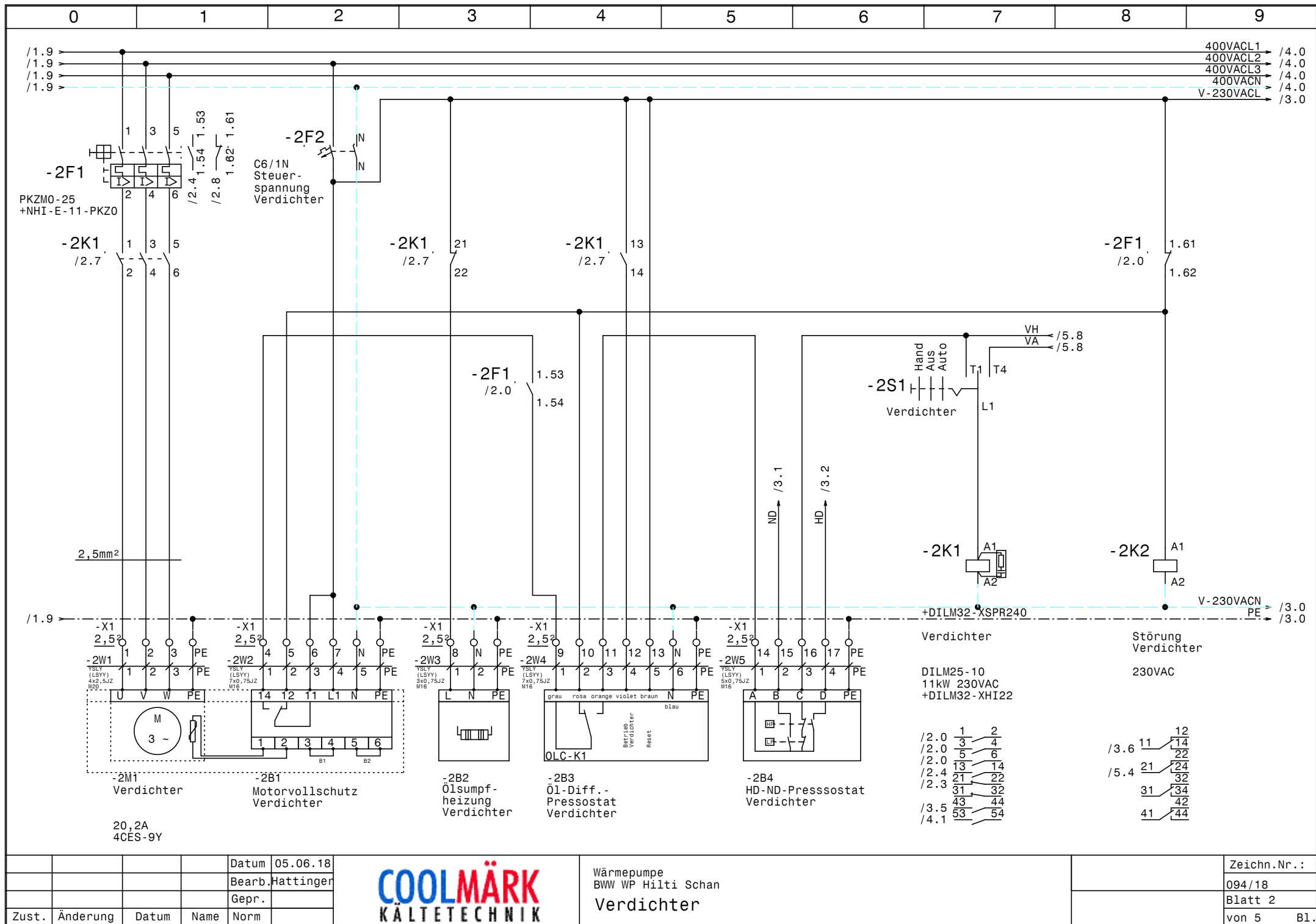
094/18

Blatt 0

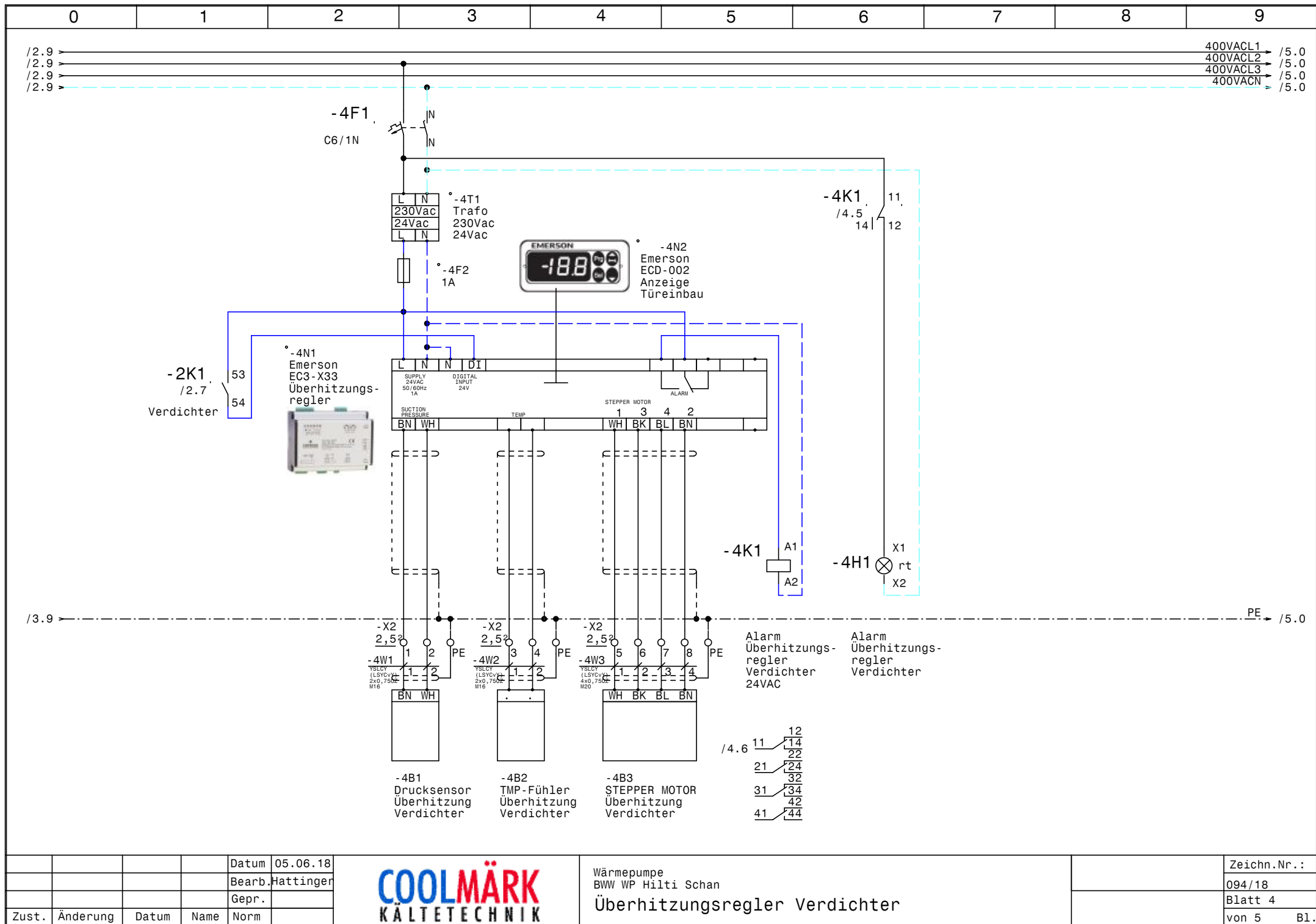
von 5

B1.







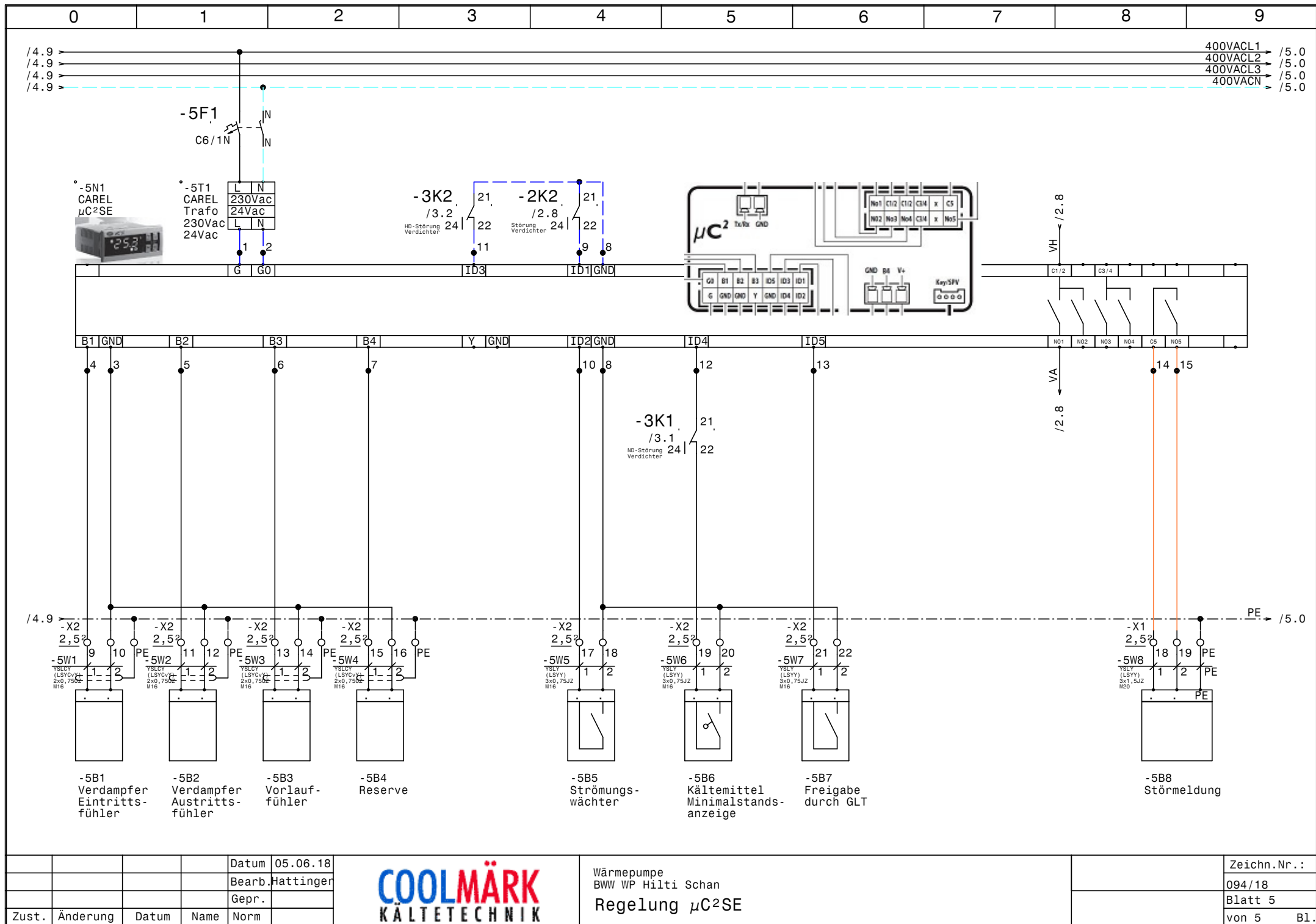


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|-------|----------|-------|------|--------|-----------|
|       |          |       |      | Datum  | 05.06.18  |
|       |          |       |      | Bearb. | Hattinger |
|       |          |       |      | Gepr.  |           |
| Zust. | Änderung | Datum | Name | Norm   |           |



Wärmepumpe  
 BWW WP Hilti Schan  
 Überhitzungsregler Verdichter

|             |           |
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| Zeichn.Nr.: | 094/18    |
| Blatt 4     | von 5 B1. |



|       |          |       |        |           |
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|       |          |       | Datum  | 05.06.18  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |



Wärmepumpe  
BWW WP Hilti Schan  
Regelung μC<sup>2</sup>SE

|              |           |
|--------------|-----------|
| Zeichn.Nr. : |           |
|              | 094/18    |
|              | Blatt 5   |
|              | von 5 Bl. |

| 0   |           |  |  |  | 1 |                          |  |  |  | 2 |                             |  |  |  | 3 |                 |  |  |  | 4 |                                      |  |  |  | 5 |  |  |  |  | 6 |  |  |  |  | 7 |  |  |  |  | 8 |  |  |  |  | 9 |  |  |  |  |
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| Nr. | Feldgerät |  |  |  |   | Leitungs-<br>bezeichnung |  |  |  |   | Leitungs-<br>typ            |  |  |  |   | Anzahl<br>Adern |  |  |  |   | Zielbezeichnung                      |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 1   | -1We1     |  |  |  |   | -1W1                     |  |  |  |   | YSLY (LSYY) 5x6JZ M25       |  |  |  |   | 5               |  |  |  |   | Netzeinspeisung 3 x 400V AC N PE     |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 2   | -2M1      |  |  |  |   | -2W1                     |  |  |  |   | YSLY (LSYY) 4x2,5JZ M20     |  |  |  |   | 4               |  |  |  |   | Verdichter                           |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 3   | -2B1      |  |  |  |   | -2W2                     |  |  |  |   | YSLY (LSYY) 7x0,75JZ M16    |  |  |  |   | 6               |  |  |  |   | Motorvollschutz Verdichter           |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 4   | -2B2      |  |  |  |   | -2W3                     |  |  |  |   | YSLY (LSYY) 3x0,75JZ M16    |  |  |  |   | 3               |  |  |  |   | Ölsumpfheizung Verdichter            |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 5   | -2B3      |  |  |  |   | -2W4                     |  |  |  |   | YSLY (LSYY) 7x0,75JZ M16    |  |  |  |   | 7               |  |  |  |   | Öl-Diff.Pressostat Verdichter        |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 6   | -2B4      |  |  |  |   | -2W5                     |  |  |  |   | YSLY (LSYY) 5x0,75JZ M16    |  |  |  |   | 5               |  |  |  |   | HD-ND-Pressostat Verdichter          |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 7   | -4B1      |  |  |  |   | -4W1                     |  |  |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |  |  |  |   | 2               |  |  |  |   | Drucksensor Überhitzung Verdichter   |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 8   | -4B2      |  |  |  |   | -4W2                     |  |  |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |  |  |  |   | 2               |  |  |  |   | TMP-Fühler Überhitzung Verdichter    |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 9   | -4B3      |  |  |  |   | -4W3                     |  |  |  |   | YSLCY (LSYCVY) 4x0,750Z M20 |  |  |  |   | 4               |  |  |  |   | STEPPER MOTOR Überhitzung Verdichter |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 10  | -5B1      |  |  |  |   | -5W1                     |  |  |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |  |  |  |   | 2               |  |  |  |   | Verdampfer Eintrittsfühler           |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 11  | -5B2      |  |  |  |   | -5W2                     |  |  |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |  |  |  |   | 2               |  |  |  |   | Verdampfer Austrittsfühler           |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 12  | -5B3      |  |  |  |   | -5W3                     |  |  |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |  |  |  |   | 2               |  |  |  |   | Vorlauffühler                        |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 13  | -5B4      |  |  |  |   | -5W4                     |  |  |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |  |  |  |   | 2               |  |  |  |   | Reserve                              |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 14  | -5B5      |  |  |  |   | -5W5                     |  |  |  |   | YSLY (LSYY) 3x0,75JZ M16    |  |  |  |   | 2               |  |  |  |   | Strömungswächter                     |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 15  | -5B6      |  |  |  |   | -5W6                     |  |  |  |   | YSLY (LSYY) 3x0,75JZ M16    |  |  |  |   | 2               |  |  |  |   | Kältemittel Minimalstandsanzeige     |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 16  | -5B7      |  |  |  |   | -5W7                     |  |  |  |   | YSLY (LSYY) 3x0,75JZ M16    |  |  |  |   | 2               |  |  |  |   | Freigabe durch GLT                   |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 17  | -5B8      |  |  |  |   | -5W8                     |  |  |  |   | YSLY (LSYY) 3x1,5JZ M20     |  |  |  |   | 3               |  |  |  |   | Störmeldung                          |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
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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                  |  |   |  |   |  |   |  |             |  |
| 1             |          |                           |      |        |              | CAREL Trafo 230Vac 24Vac                                                                                                                                             |  |   |  | -5T1                               |  |   |  |   |  |   |  |             |  |
| 1             |          |                           |      |        |              | CAREL $\mu$ C <sup>2</sup> SE                                                                                                                                        |  |   |  | -5N1                               |  |   |  |   |  |   |  |             |  |
| 1             |          |                           |      |        |              | Emerson ECD-002 Anzeige                                                                                                                                              |  |   |  | -4N2                               |  |   |  |   |  |   |  |             |  |
| 1             |          |                           |      |        |              | Trafo 230Vac 24Vac                                                                                                                                                   |  |   |  | -4T1                               |  |   |  |   |  |   |  |             |  |
| 1             |          |                           |      |        |              | Glasrohrsicherung                                                                                                                                                    |  |   |  | -4F2                               |  |   |  |   |  |   |  |             |  |
| 1             |          |                           |      |        |              | Emerson EC3-X33                                                                                                                                                      |  |   |  | -4N1                               |  |   |  |   |  |   |  |             |  |
| 3             |          | C6/1N                     |      |        |              | Sicherungsautomaten                                                                                                                                                  |  |   |  | -2F2, -4F1, -5F1                   |  |   |  |   |  |   |  |             |  |
| 1             |          | DILM25-10(230V50HZ)       |      |        |              | Schütz                                                                                                                                                               |  |   |  | -2K1                               |  |   |  |   |  |   |  |             |  |
| 1             |          | DILM32-XHI22              |      |        |              | Hilfsschalterbaustein                                                                                                                                                |  |   |  |                                    |  |   |  |   |  |   |  |             |  |
| 1             |          | DILM32-XSPR240            |      |        |              | RC-Löschglied                                                                                                                                                        |  |   |  | -2N1                               |  |   |  |   |  |   |  |             |  |
| 13            |          | EK 2,5 ge/gr              |      |        |              | Erdungsklemme                                                                                                                                                        |  |   |  | -X1, -X2                           |  |   |  |   |  |   |  |             |  |
| 1             |          | EK 6 ge/gr                |      |        |              | Erdungsklemme                                                                                                                                                        |  |   |  | -X1                                |  |   |  |   |  |   |  |             |  |
| 3             |          | Klemme 2,5 blau           |      |        |              | Klemme N                                                                                                                                                             |  |   |  | -X1                                |  |   |  |   |  |   |  |             |  |
| 41            |          | Klemme 2,5 grau           |      |        |              | Klemme L                                                                                                                                                             |  |   |  | -X1, -X2                           |  |   |  |   |  |   |  |             |  |
| 1             |          | Klemme 6 blau             |      |        |              | Klemme N                                                                                                                                                             |  |   |  | -X1                                |  |   |  |   |  |   |  |             |  |
| 3             |          | Klemme 6 grau             |      |        |              | Klemme L                                                                                                                                                             |  |   |  | -X1                                |  |   |  |   |  |   |  |             |  |
| 1             |          | LT40 -27,1A AC23          |      |        |              | Hauptschalter                                                                                                                                                        |  |   |  | -1Q1                               |  |   |  |   |  |   |  |             |  |
| 1             |          | M10HEU1                   |      |        |              | Umschalter 1pol. 1-0-2                                                                                                                                               |  |   |  | -2S1                               |  |   |  |   |  |   |  |             |  |
| 13            |          | M16                       |      |        |              | Kabelverschraubung                                                                                                                                                   |  |   |  | -2W2, -5W1, -4W1, -4W2, -5W2, -2W5 |  |   |  |   |  |   |  |             |  |
|               |          |                           |      |        |              |                                                                                                                                                                      |  |   |  | -5W7, -2W3, -5W5, -5W3, -5W4, -5W6 |  |   |  |   |  |   |  |             |  |
|               |          |                           |      |        |              |                                                                                                                                                                      |  |   |  | -2W4                               |  |   |  |   |  |   |  |             |  |
| 3             |          | M20                       |      |        |              | Kabelverschraubung                                                                                                                                                   |  |   |  | -2W1, -5W8, -4W3                   |  |   |  |   |  |   |  |             |  |
| 1             |          | M25                       |      |        |              | Kabelverschraubung                                                                                                                                                   |  |   |  | -1W1                               |  |   |  |   |  |   |  |             |  |
| 1             |          | NHI-E-11-PKZO             |      |        |              | Normalhilfsschalter                                                                                                                                                  |  |   |  |                                    |  |   |  |   |  |   |  |             |  |
| 1             |          | PKZMO-25                  |      |        |              | Motorschutzschalter                                                                                                                                                  |  |   |  | -2F1                               |  |   |  |   |  |   |  |             |  |
| 3             |          | Relais4polig230VAC        |      |        |              | Miniatur - Relais 4polig                                                                                                                                             |  |   |  | -2K2, -3K2, -3K1                   |  |   |  |   |  |   |  |             |  |
| 1             |          | Relais4polig24VAC         |      |        |              | Miniatur - Relais 4polig                                                                                                                                             |  |   |  | -4K1                               |  |   |  |   |  |   |  |             |  |
| 1             |          | Signalleuchte grün        |      |        |              | Signalglimmlampe grün                                                                                                                                                |  |   |  | -3H1                               |  |   |  |   |  |   |  |             |  |
| 4             |          | Signalleuchte rot         |      |        |              | Signalglimmlampe rot                                                                                                                                                 |  |   |  | -3H2, -3H4, -4H1, -3H3             |  |   |  |   |  |   |  |             |  |
| 4             |          | Sockel 4polig             |      |        |              | Sockel für Minitur Relais 4polig                                                                                                                                     |  |   |  |                                    |  |   |  |   |  |   |  |             |  |
| 1             |          | WS 6825 B=600 H=800 T=250 |      |        |              | Wandschrank IP 55                                                                                                                                                    |  |   |  | -0N1                               |  |   |  |   |  |   |  |             |  |
|               |          |                           |      |        |              |                                                                                                                                                                      |  |   |  |                                    |  |   |  |   |  |   |  |             |  |
|               |          |                           |      |        |              |                                                                                                                                                                      |  |   |  |                                    |  |   |  |   |  |   |  |             |  |
|               |          |                           |      | Datum  | 05.06.18     | <div></div> <div>Wärmepumpe<br/>BMW WP Hilti Schan</div> <div>Materialliste</div> |  |   |  |                                    |  |   |  |   |  |   |  | Zeichn.Nr.: |  |
|               |          |                           |      | Bearb. | Hattinger F. |                                                                                                                                                                      |  |   |  |                                    |  |   |  |   |  |   |  | 094/18      |  |
|               |          |                           |      | Gepr.  |              |                                                                                                                                                                      |  |   |  |                                    |  |   |  |   |  |   |  | Blatt 1     |  |
| Zust.         | Änderung | Datum                     | Name | Norm   |              |                                                                                                                                                                      |  |   |  |                                    |  |   |  |   |  |   |  | von 1 Bl.   |  |