

Anlage:

Kaltwassersatz 80 kW

Firma:

Klimatoping

SCHALTSCHRANKAUSFÜHRUNG

SCHALTSCHRANKGRÖSSE:

800x800x300

(BxHxT)

(H)

SOCKEL:

-

LACKIERUNG:

RAL 7035

SCHUTZART:

IP54

SCHUTZMASSNAHME:

lt. EVU

BLINDSCHALTBILD:

nein

(BxH)

KABELEINFÜHRUNG:

unten

TÜRANSCHLAG:

links

VERDRAHTUNGSFARBEN

HAUPTSTROMKREIS 400/230V:

schwarz

hellblau

NEUTRALLEITER:

hellblau

gelb/grün

SCHUTZLEITER:

gelb/grün

STEUERSPANNUNG 230VAC:

braun/hellblau

rot/rot-weiß

ohne Trafo:

L/N

mit Trafo:

L/N

STEUERSPANNUNG 0-24VAC:

L/N

STEUERSPANNUNG 0-24VDC:

L/N

GND, DDC:

blau/blau-weiß

blau/blau-weiß

MESSLEITUNGEN, FÜHLER:

blau-weiß

grün

POTENTIALFREIE LEITUNGEN:

orange

orange

FREMDSPANNUNG:

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    | 003 | Verdichter 1 | 006 | Abgang Verflüssiger                     |
| 001 | Netzanschluß | 004 | Verdichter 2 | 007 | Regelung Kaltwasser freigabe Verdichter |
| 002 | Verdichter 1 | 005 | Verdichter 2 |     |                                         |

Datum

08.02.21

Bearb.

Hattinger

Gepr.

Zust.

Änderung

Datum

Name

Norm

SCHIESSL

Kaltwassersatz 80 kW

Deckblatt

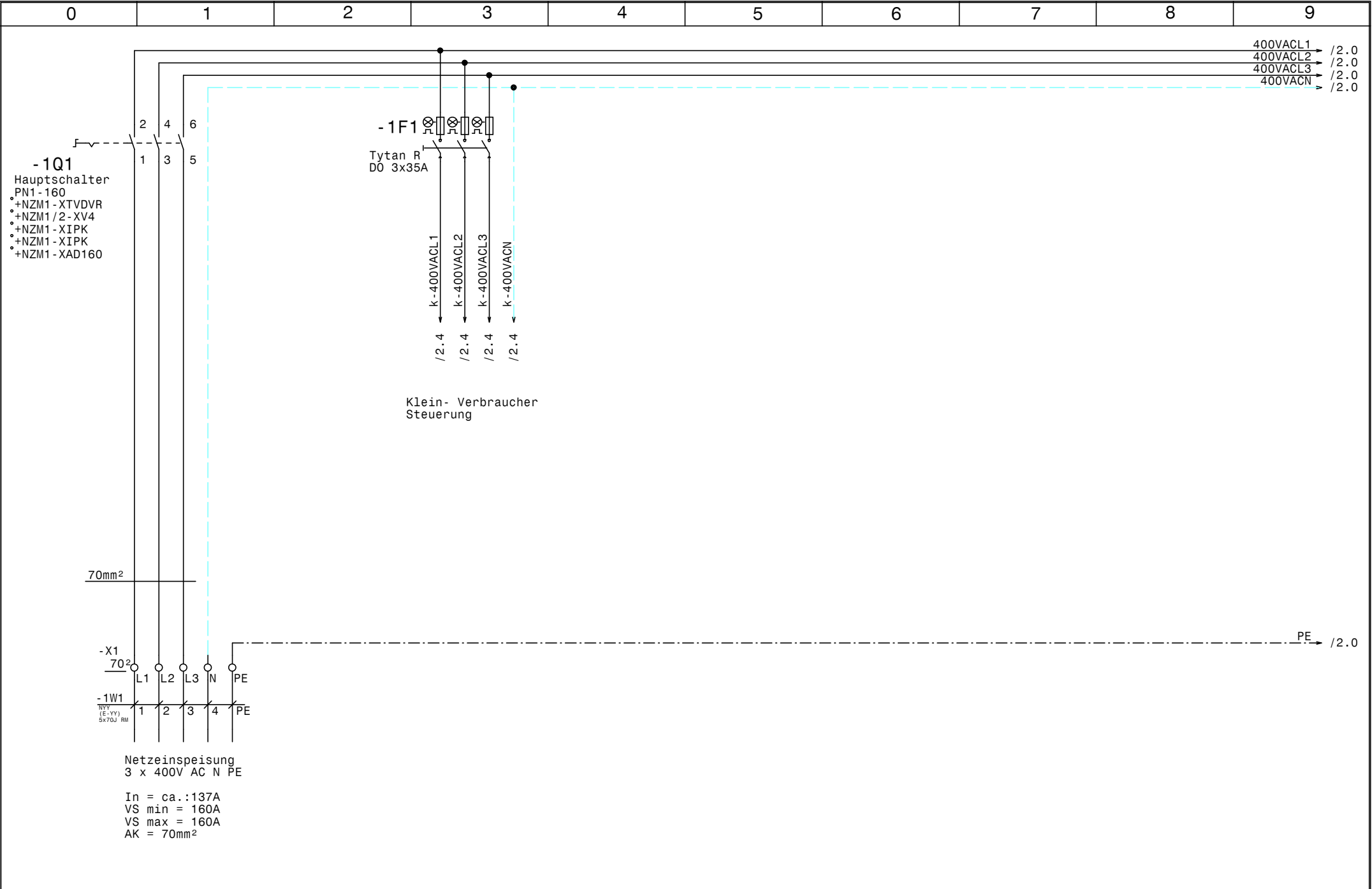
Zeichn.Nr.:

011/21

Blatt 0

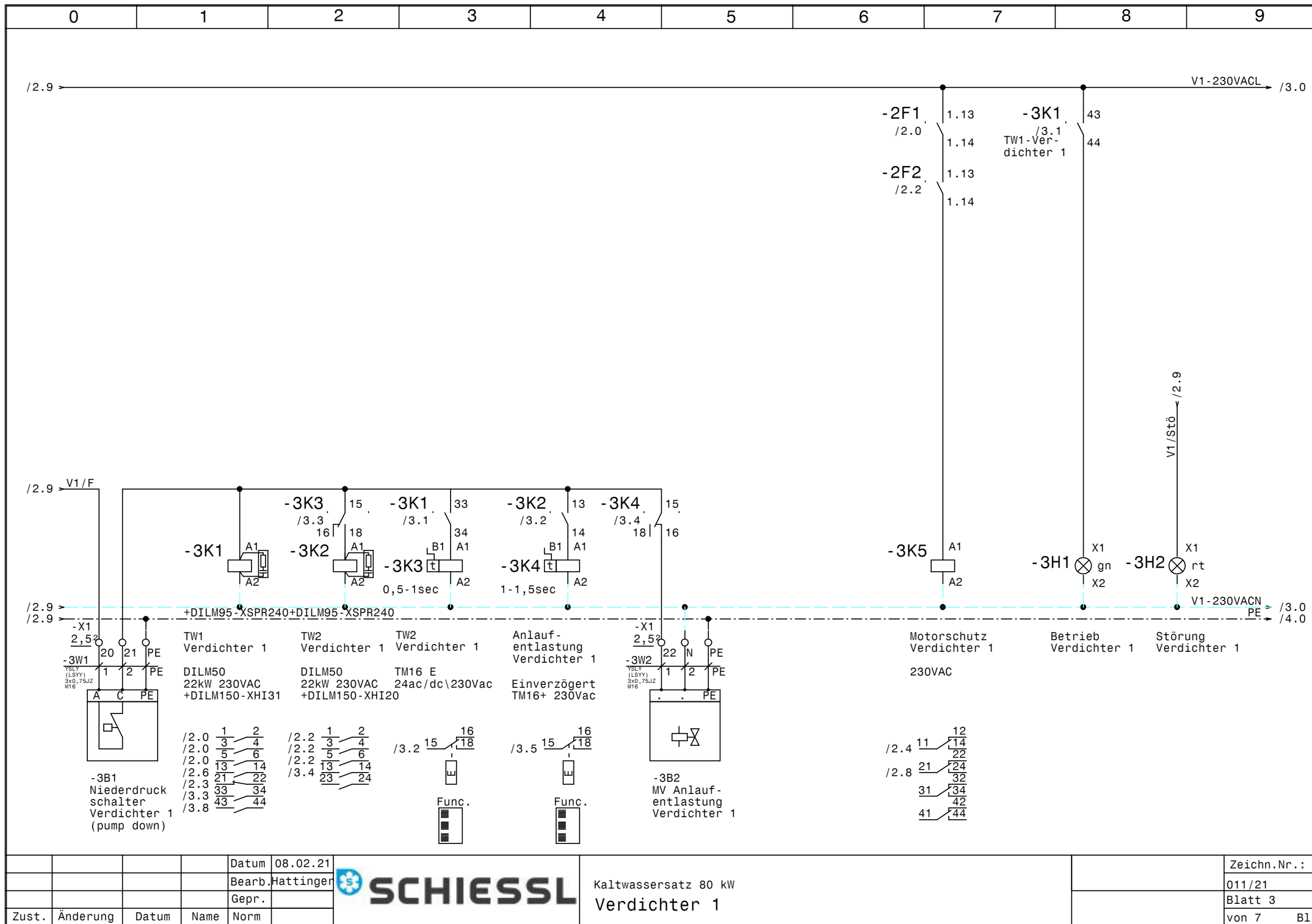
von 7

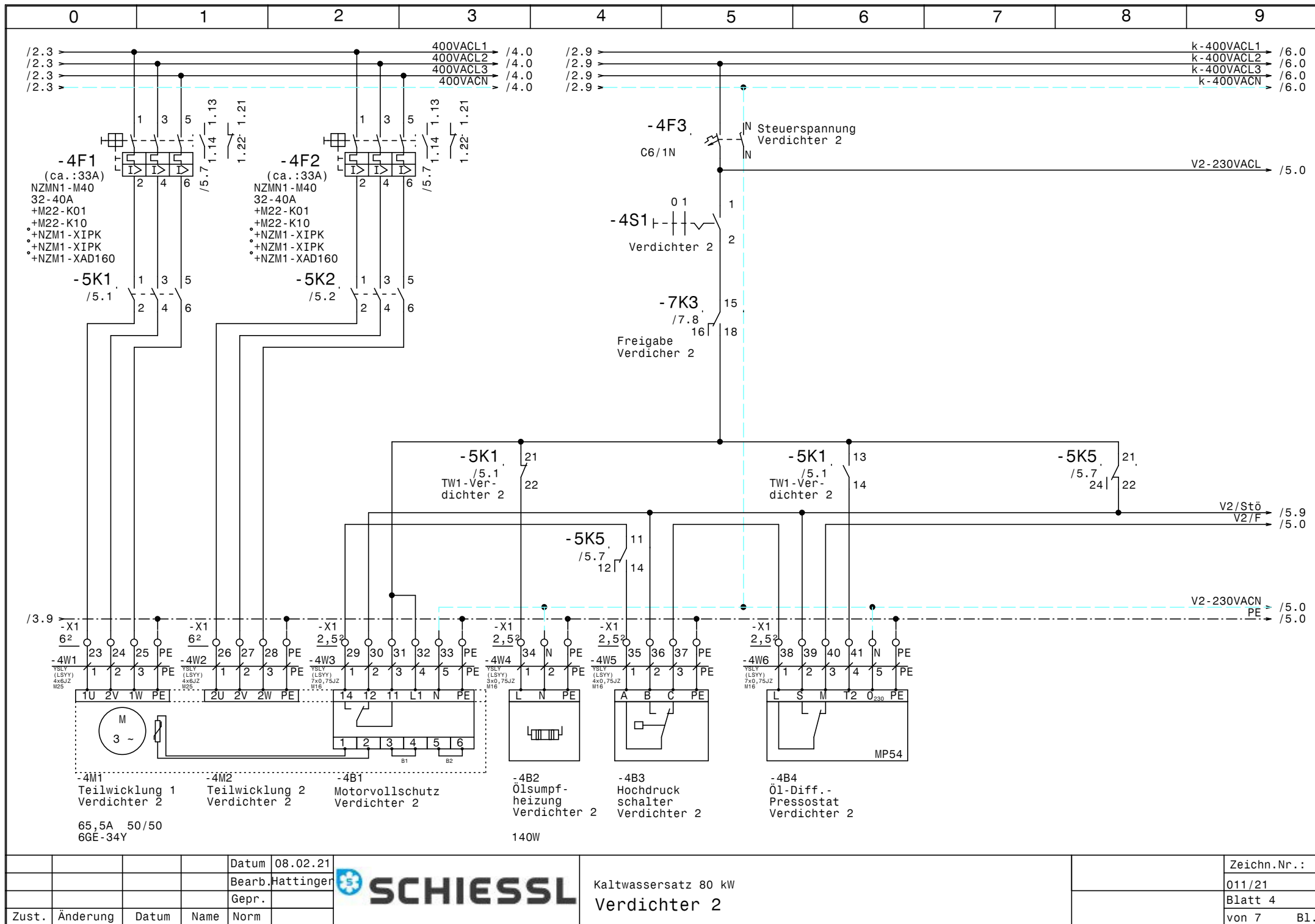
B1.



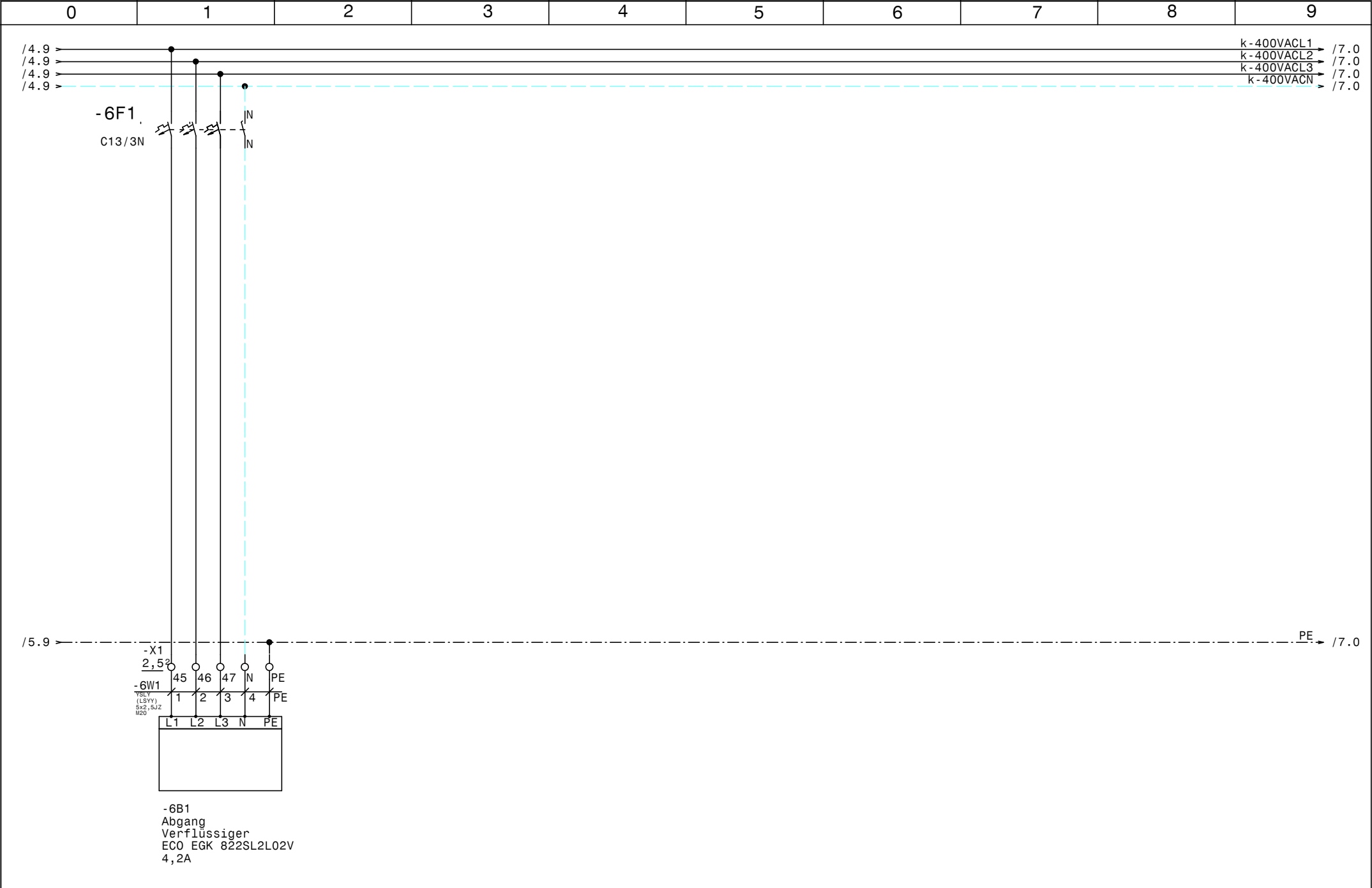
|       |          |       |      |        |           |                                                                                     |                                      |  |             |
|-------|----------|-------|------|--------|-----------|-------------------------------------------------------------------------------------|--------------------------------------|--|-------------|
|       |          |       |      | Datum  | 08.02.21  |  | Kaltwassersatz 80 kW<br>Netzanschluß |  | Zeichn.Nr.: |
|       |          |       |      | Bearb. | Hattinger |                                                                                     |                                      |  | 011/21      |
|       |          |       |      | Gepr.  |           |                                                                                     |                                      |  | Blatt 1     |
| Zust. | Änderung | Datum | Name | Norm   |           |                                                                                     |                                      |  | von 7 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                     |  |   | NYY (E-YY) 5x70J RM      |   |  | 5               |  | Netzeinspeisung 3 x 400V AC N PE              |  |   |  |   |  |   |  |
| 2   | -2M1      |   |  | -2W1                     |  |   | YSLY (LSYY) 4x6JZ M25    |   |  | 4               |  | Teilwicklung 1 Verdichter 1                   |  |   |  |   |  |   |  |
| 3   | -2M2      |   |  | -2W2                     |  |   | YSLY (LSYY) 4x6JZ M25    |   |  | 4               |  | Teilwicklung 2 Verdichter 1                   |  |   |  |   |  |   |  |
| 4   | -2B1      |   |  | -2W3                     |  |   | YSLY (LSYY) 7x0,75JZ M16 |   |  | 6               |  | Motorvollschutz Verdichter 1                  |  |   |  |   |  |   |  |
| 5   | -2B2      |   |  | -2W4                     |  |   | YSLY (LSYY) 3x0,75JZ M16 |   |  | 3               |  | Ölsumpfheizung Verdichter 1                   |  |   |  |   |  |   |  |
| 6   | -2B3      |   |  | -2W5                     |  |   | YSLY (LSYY) 4x0,75JZ M16 |   |  | 4               |  | Hochdruck schalter Verdichter 1               |  |   |  |   |  |   |  |
| 7   | -2B4      |   |  | -2W6                     |  |   | YSLY (LSYY) 7x0,75JZ M16 |   |  | 6               |  | Öl-Diff.Pressostat Verdichter 1               |  |   |  |   |  |   |  |
| 8   | -3B1      |   |  | -3W1                     |  |   | YSLY (LSYY) 3x0,75JZ M16 |   |  | 3               |  | Niederdruck schalter Verdichter 1 (pump down) |  |   |  |   |  |   |  |
| 9   | -3B2      |   |  | -3W2                     |  |   | YSLY (LSYY) 3x0,75JZ M16 |   |  | 3               |  | MV Anlaufentlastung Verdichter 1              |  |   |  |   |  |   |  |
| 10  | -4M1      |   |  | -4W1                     |  |   | YSLY (LSYY) 4x6JZ M25    |   |  | 4               |  | Teilwicklung 1 Verdichter 2                   |  |   |  |   |  |   |  |
| 11  | -4M2      |   |  | -4W2                     |  |   | YSLY (LSYY) 4x6JZ M25    |   |  | 4               |  | Teilwicklung 2 Verdichter 2                   |  |   |  |   |  |   |  |
| 12  | -4B1      |   |  | -4W3                     |  |   | YSLY (LSYY) 7x0,75JZ M16 |   |  | 6               |  | Motorvollschutz Verdichter 2                  |  |   |  |   |  |   |  |
| 13  | -4B2      |   |  | -4W4                     |  |   | YSLY (LSYY) 3x0,75JZ M16 |   |  | 3               |  | Ölsumpfheizung Verdichter 2                   |  |   |  |   |  |   |  |
| 14  | -4B3      |   |  | -4W5                     |  |   | YSLY (LSYY) 4x0,75JZ M16 |   |  | 4               |  | Hochdruck schalter Verdichter 2               |  |   |  |   |  |   |  |
| 15  | -4B4      |   |  | -4W6                     |  |   | YSLY (LSYY) 7x0,75JZ M16 |   |  | 6               |  | Öl-Diff.Pressostat Verdichter 2               |  |   |  |   |  |   |  |
| 16  | -5B1      |   |  | -5W1                     |  |   | YSLY (LSYY) 3x0,75JZ M16 |   |  | 3               |  | Niederdruck schalter Verdichter 2 (pump down) |  |   |  |   |  |   |  |
| 17  | -5B2      |   |  | -5W2                     |  |   | YSLY (LSYY) 3x0,75JZ M16 |   |  | 3               |  | MV Anlaufentlastung Verdichter 2              |  |   |  |   |  |   |  |
| 18  | -6B1      |   |  | -6W1                     |  |   | YSLY (LSYY) 5x2,5JZ M20  |   |  | 5               |  | Abgang Verflüssiger                           |  |   |  |   |  |   |  |
| 19  | -7B1      |   |  | -7W1                     |  |   | YSLY (LSYY) 3x1,5JZ M20  |   |  | 3               |  | Freigabe von EKC331T Relais 1 012/21          |  |   |  |   |  |   |  |
| 20  | -7B2      |   |  | -7W2                     |  |   | YSLY (LSYY) 3x1,5JZ M20  |   |  | 3               |  | Anforderung Kaltwasserpumpe                   |  |   |  |   |  |   |  |
| 21  | -7Y1      |   |  | -7W3                     |  |   | YSLY (LSYY) 3x1,5JZ M20  |   |  | 3               |  | Magnetventil Kaltwasser                       |  |   |  |   |  |   |  |
| 22  | -7B3      |   |  | -7W4                     |  |   | YSLY (LSYY) 3x1,5JZ M20  |   |  | 3               |  | Freigabe extern (Reserve)                     |  |   |  |   |  |   |  |
| 23  | -7B4      |   |  | -7W5                     |  |   | YSLY (LSYY) 4x0,75JZ M16 |   |  | 4               |  | Frostschutzthermostat                         |  |   |  |   |  |   |  |
| 24  | -7B5      |   |  | -7W6                     |  |   | YSLY (LSYY) 4x0,75JZ M16 |   |  | 4               |  | Strömungswächter Kaltwasser                   |  |   |  |   |  |   |  |
|     |           |   |  |                          |  |   |                          |   |  |                 |  |                                               |  |   |  |   |  |   |  |
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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                  |   |  |   |  |             |  |   |  |
| 3             |                        |       |      |        |              | Ausschalter 1pol. 0-1                                                                                                     |  |   |  |   | -4S1, -2S1, -7S1                   |   |  |   |  |             |  |   |  |
| 1             | +NZM1/2-XV4            |       |      |        |              | Verlängerungsachse 400mm für PN1                                                                                          |  |   |  |   | -1Z2                               |   |  |   |  |             |  |   |  |
| 5             | +NZM1-XAD160           |       |      |        |              | Adapter für NZM1                                                                                                          |  |   |  |   | -2Z6, -4Z3, -1Z5, -2Z3, -4Z6       |   |  |   |  |             |  |   |  |
| 10            | +NZM1-XIPK             |       |      |        |              | Fingerschutz für NZMN1                                                                                                    |  |   |  |   | -4Z1, -4Z4, -4Z5, -4Z2, -2Z4, -2Z2 |   |  |   |  |             |  |   |  |
|               |                        |       |      |        |              |                                                                                                                           |  |   |  |   | -2Z1, -1Z4, -1Z3, -2Z5             |   |  |   |  |             |  |   |  |
| 1             | +NZM1-XTVDVR           |       |      |        |              | Türkupplungsdrehgriff für PN1                                                                                             |  |   |  |   | -1Z1                               |   |  |   |  |             |  |   |  |
| 1             | C13/3N                 |       |      |        |              | Sicherungsautomaten                                                                                                       |  |   |  |   | -6F1                               |   |  |   |  |             |  |   |  |
| 3             | C6/1N                  |       |      |        |              | Sicherungsautomaten                                                                                                       |  |   |  |   | -4F3, -7F1, -2F3                   |   |  |   |  |             |  |   |  |
| 2             | DILM150-XHI20          |       |      |        |              | Hilfsschalterbaustein                                                                                                     |  |   |  |   |                                    |   |  |   |  |             |  |   |  |
| 2             | DILM150-XHI31          |       |      |        |              | Hilfsschalterbaustein                                                                                                     |  |   |  |   |                                    |   |  |   |  |             |  |   |  |
| 4             | DILM50(230V50HZ)       |       |      |        |              | Schütz                                                                                                                    |  |   |  |   | -3K2, -3K1, -5K2, -5K1             |   |  |   |  |             |  |   |  |
| 4             | DILM95-XSPR240         |       |      |        |              | RC-Löschglied                                                                                                             |  |   |  |   | -3N2, -5N1, -3N1, -5N2             |   |  |   |  |             |  |   |  |
| 20            | EK 2,5 ge/gr           |       |      |        |              | Erdungsklemme                                                                                                             |  |   |  |   | -X1                                |   |  |   |  |             |  |   |  |
| 4             | EK 6 ge/gr             |       |      |        |              | Erdungsklemme                                                                                                             |  |   |  |   | -X1                                |   |  |   |  |             |  |   |  |
| 1             | EK 70 ge/gr            |       |      |        |              | Erdungsklemme                                                                                                             |  |   |  |   | -X1                                |   |  |   |  |             |  |   |  |
| 9             | Klemme 2,5 blau        |       |      |        |              | Klemme N                                                                                                                  |  |   |  |   | -X1                                |   |  |   |  |             |  |   |  |
| 49            | Klemme 2,5 grau        |       |      |        |              | Klemme L                                                                                                                  |  |   |  |   | -X1                                |   |  |   |  |             |  |   |  |
| 12            | Klemme 6 grau          |       |      |        |              | Klemme L                                                                                                                  |  |   |  |   | -X1                                |   |  |   |  |             |  |   |  |
| 1             | Klemme 70 blau         |       |      |        |              | Klemme L                                                                                                                  |  |   |  |   | -X1                                |   |  |   |  |             |  |   |  |
| 3             | Klemme 70 grau         |       |      |        |              | Klemme L                                                                                                                  |  |   |  |   | -X1                                |   |  |   |  |             |  |   |  |
| 14            | M16                    |       |      |        |              | Kabelverschraubung                                                                                                        |  |   |  |   | -2W4, -2W5, -5W2, -2W3, -2W6, -7W5 |   |  |   |  |             |  |   |  |
|               |                        |       |      |        |              |                                                                                                                           |  |   |  |   | -4W4, -3W2, -7W6, -5W1, -4W3, -4W5 |   |  |   |  |             |  |   |  |
|               |                        |       |      |        |              |                                                                                                                           |  |   |  |   | -4W6, -3W1                         |   |  |   |  |             |  |   |  |
| 5             | M20                    |       |      |        |              | Kabelverschraubung                                                                                                        |  |   |  |   | -7W1, -7W2, -7W4, -6W1, -7W3       |   |  |   |  |             |  |   |  |
| 4             | M22-K01                |       |      |        |              | Leistungsschalter Normalhilfskonta                                                                                        |  |   |  |   |                                    |   |  |   |  |             |  |   |  |
| 4             | M22-K10                |       |      |        |              | Leistungsschalter Normalhilfskonta                                                                                        |  |   |  |   |                                    |   |  |   |  |             |  |   |  |
| 4             | M25                    |       |      |        |              | Kabelverschraubung                                                                                                        |  |   |  |   | -2W1, -4W1, -4W2, -2W2             |   |  |   |  |             |  |   |  |
| 1             | M63                    |       |      |        |              | Kabelverschraubung                                                                                                        |  |   |  |   | -1W1                               |   |  |   |  |             |  |   |  |
| 4             | NZMN1-M40              |       |      |        |              | Leistungsschalter Motorschutz                                                                                             |  |   |  |   | -4F2, -2F2, -4F1, -2F1             |   |  |   |  |             |  |   |  |
| 1             | PN1-160                |       |      |        |              | Hauptschalter                                                                                                             |  |   |  |   | -1Q1                               |   |  |   |  |             |  |   |  |
| 3             | Relais4polig230VAC     |       |      |        |              | Miniatur - Relais 4polig                                                                                                  |  |   |  |   | -5K5, -7K1, -3K5                   |   |  |   |  |             |  |   |  |
| 2             | Signalleuchte grün     |       |      |        |              | Signalglimmlampe grün                                                                                                     |  |   |  |   | -3H1, -5H1                         |   |  |   |  |             |  |   |  |
| 2             | Signalleuchte rot      |       |      |        |              | Signalglimmlampe rot                                                                                                      |  |   |  |   | -5H2, -3H2                         |   |  |   |  |             |  |   |  |
|               |                        |       |      | Datum  | 08.02.21     |  Kaltwassersatz 80 kW<br>Materialliste |  |   |  |   |                                    |   |  |   |  | Zeichn.Nr.: |  |   |  |
|               |                        |       |      | Bearb. | Hattinger F. |                                                                                                                           |  |   |  |   |                                    |   |  |   |  | 011/21      |  |   |  |
|               |                        |       |      | Gepr.  |              |                                                                                                                           |  |   |  |   |                                    |   |  |   |  | Blatt 1     |  |   |  |
| Zust.         | Änderung               | Datum | Name | Norm   |              |                                                                                                                           |  |   |  |   |                                    |   |  |   |  | von 2 Bl.   |  |   |  |

[illegible]