

Anlage:

EFU2B03v9-OE

Baugrösse 3 mit 2 Verdichter HGX34e-315-4SA

Firma:

Viklicky Kälte- u. Klimatechnik

SCHALTSCHRANKAUSFÜHRUNG

SCHALTSCHRANKGRÖSSE:

800x800x300

(BxHxT)

(H)

SOCKEL:

-

(H)

LACKIERUNG:

RAL 7035

(H)

SCHUTZART:

IP54

(H)

SCHUTZMASSNAHME:

lt. EVU

(BxH)

BLINDSCHALTBILD:

nein

(BxH)

KABELEINFÜHRUNG:

unten

(BxH)

TÜRANSCHLAG:

rechts

(BxH)

VERDRAHTUNGSFARBEN

HAUPTSTROMKREIS 400/230V:

schwarz

hellblau

gelb/grün

NEUTRALLEITER:

hellblau

gelb/grün

SCHUTZLEITER:

gelb/grün

STEUERSPANNUNG 230VAC:

braun/hellblau

rot/rot-weiß

blau/blau-weiß

blau/blau-weiß

blau-weiß

grün

orange

orange

ohne Trafo:

L/N

L/N

mit Trafo:

L/N

L/N

STEUERSPANNUNG 0-24VAC:

L/N

L/N

STEUERSPANNUNG 0-24VDC:

+/-

+/-

GND, DDC:

grün

orange

MESSLEITUNGEN, FÜHLER:

orange

orange

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 2      | 006 | Kondensatorlüfter    |
| 001 | Netzanschluß | 004 | Frequenzumrichter | 007 | Minimalstandsanzeige |
| 002 | Verdichter 1 | 005 | Steuerung         |     |                      |

Zust.

Änderung

Datum

Name

Norm

Datum

25.11.19

Bearb.

Hattinger

Gepr.



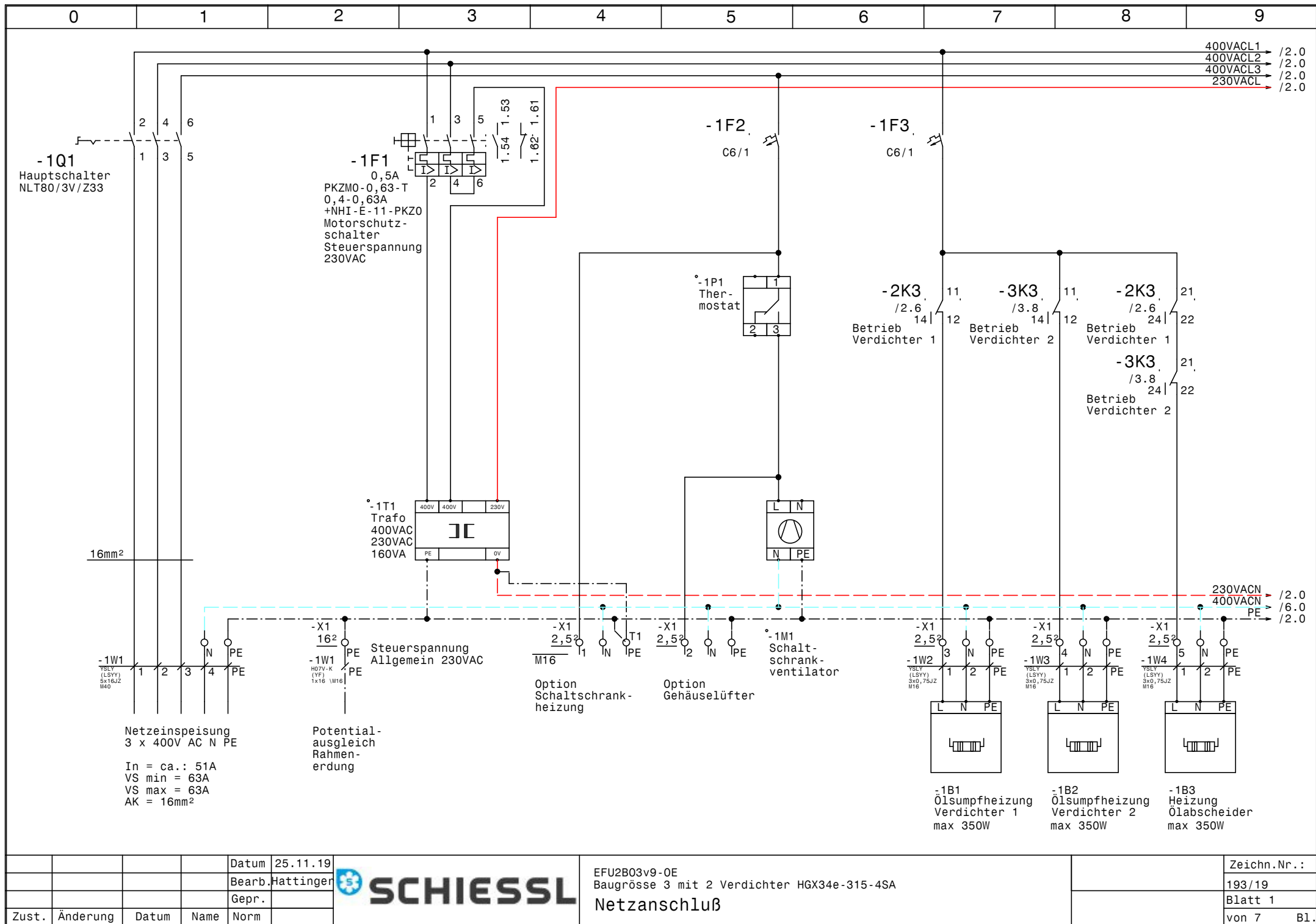
EFU2B03v9-OE  
Baugrösse 3 mit 2 Verdichter HGX34e-315-4SA  
Deckblatt

Zeichn.Nr.:

193/19

Blatt 0

von 7 Bl.

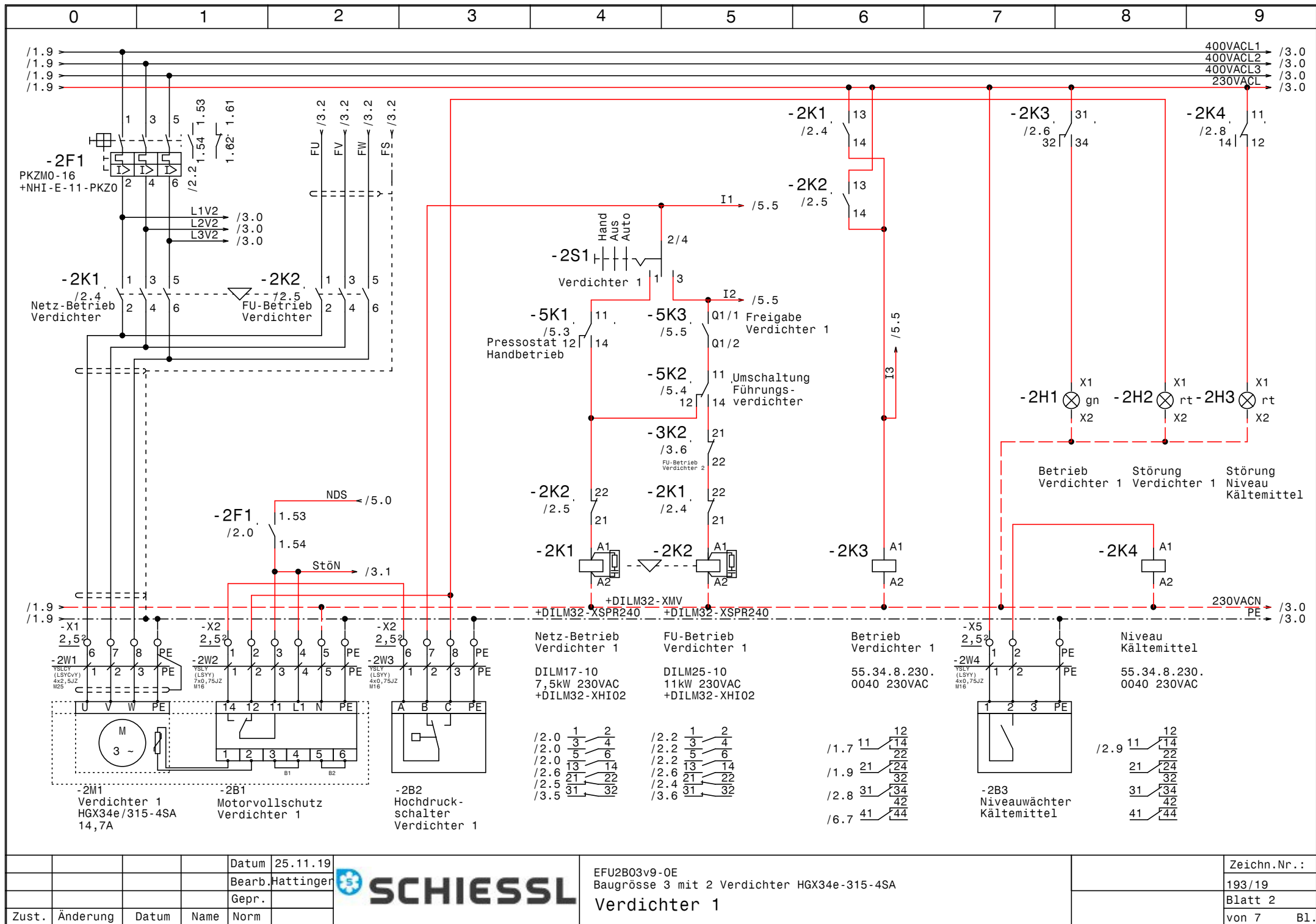


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|-------|----------|-------|--------|-----------|
|       |          |       | Datum  | 25.11.19  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |

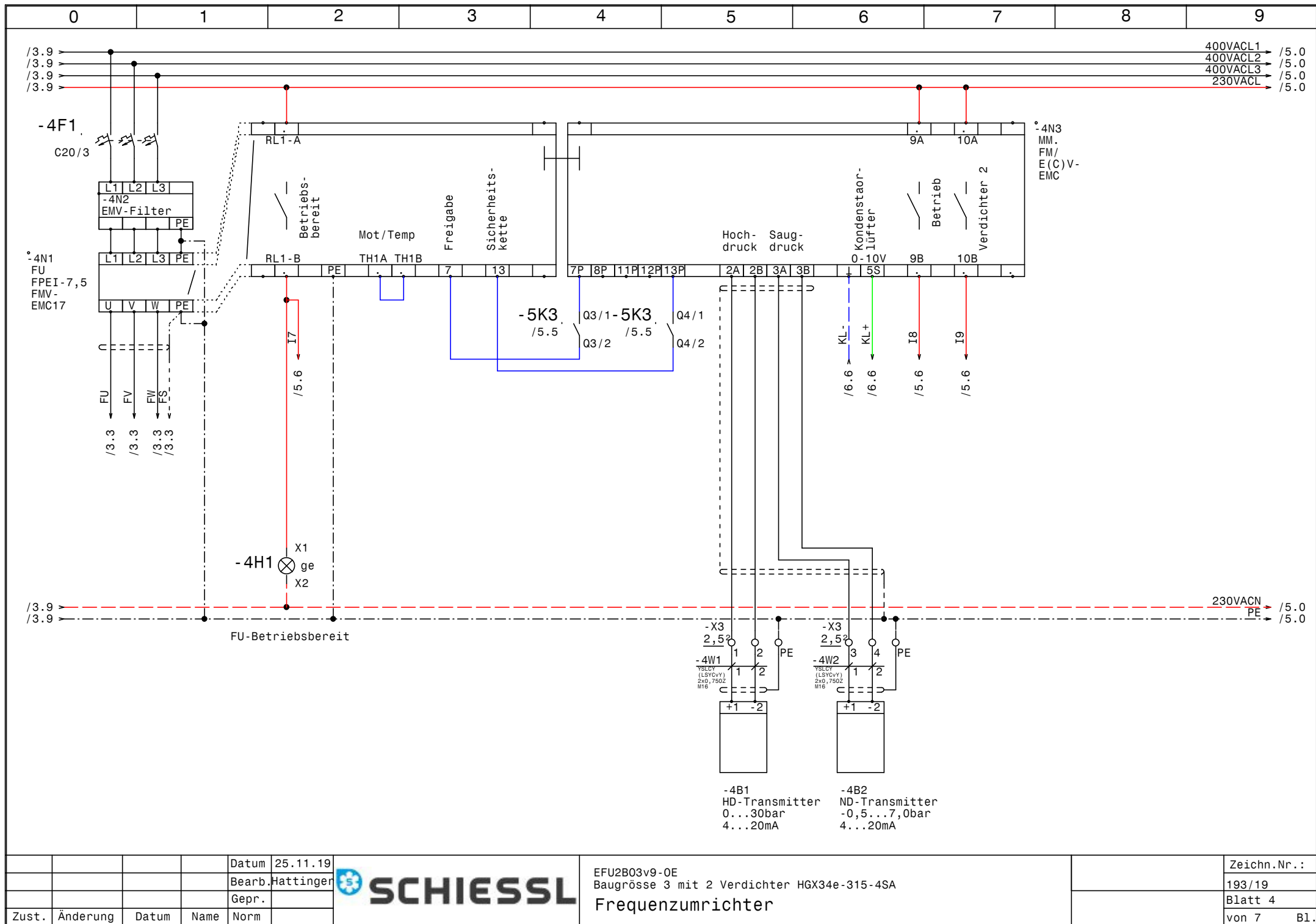
**SCHIESSL**

EFU2B03V9-0E  
Baugröße 3 mit 2 Verdichter HGX34e-315-4SA  
Netzanschluß

|             |        |
|-------------|--------|
| Zeichn.Nr.: | 193/19 |
| Blatt 1     | von 7  |
|             | B1.    |



Zeichn.Nr.:  
193/19  
Blatt 3  
von 7



|       |          |       |      |        |           |
|-------|----------|-------|------|--------|-----------|
|       |          |       |      | Datum  | 25.11.19  |
|       |          |       |      | Bearb. | Hattinger |
|       |          |       |      | Gepr.  |           |
| Zust. | Änderung | Datum | Name | Norm   |           |

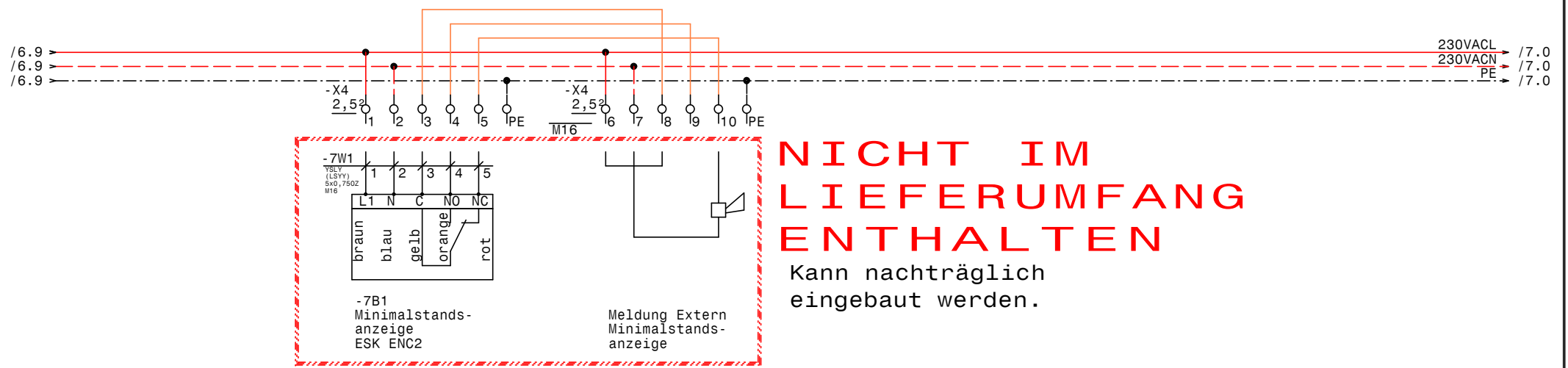


EFU2B03v9-0E  
 Baugröße 3 mit 2 Verdichter HGX34e-315-4SA  
 Frequenzumrichter

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| Zeichn.Nr.: | 193/19 |
| Blatt 4     | von 7  |
|             | B1.    |







| 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) 5x16JZ M40      |  |   |  | 5               |  | Netzeinspeisung 3 x 400V AC N PE  |  |   |  |  |  |  |  |
| 2   |  | -1We2     |  |   |  | -1W1                     |  |   |  | H07V-K (YF) 1x16 M16        |  |   |  | 1               |  | Potentialausgleich Rahmenerdung   |  |   |  |  |  |  |  |
| 3   |  | -1B1      |  |   |  | -1W2                     |  |   |  | YSLY (LSYY) 3x0,75JZ M16    |  |   |  | 3               |  | Ölsumpfheizung Verdichter 1       |  |   |  |  |  |  |  |
| 4   |  | -1B2      |  |   |  | -1W3                     |  |   |  | YSLY (LSYY) 3x0,75JZ M16    |  |   |  | 3               |  | Ölsumpfheizung Verdichter 2       |  |   |  |  |  |  |  |
| 5   |  | -1B3      |  |   |  | -1W4                     |  |   |  | YSLY (LSYY) 3x0,75JZ M16    |  |   |  | 3               |  | Heizung Ölabscheider              |  |   |  |  |  |  |  |
| 6   |  | -2M1      |  |   |  | -2W1                     |  |   |  | YSLCY (LSYCVY) 4x2,5JZ M25  |  |   |  | 4               |  | Verdichter 1                      |  |   |  |  |  |  |  |
| 7   |  | -2B1      |  |   |  | -2W2                     |  |   |  | YSLY (LSYY) 7x0,75JZ M16    |  |   |  | 6               |  | Motorvollschutz Verdichter 1      |  |   |  |  |  |  |  |
| 8   |  | -2B2      |  |   |  | -2W3                     |  |   |  | YSLY (LSYY) 4x0,75JZ M16    |  |   |  | 4               |  | Hochdruckschalter Verdichter 1    |  |   |  |  |  |  |  |
| 9   |  | -2B3      |  |   |  | -2W4                     |  |   |  | YSLY (LSYY) 4x0,75JZ M16    |  |   |  | 3               |  | Niveauwächter Kältemittel         |  |   |  |  |  |  |  |
| 10  |  | -3M1      |  |   |  | -3W1                     |  |   |  | YSLCY (LSYCVY) 4x2,5JZ M25  |  |   |  | 4               |  | Verdichter 2                      |  |   |  |  |  |  |  |
| 11  |  | -3B1      |  |   |  | -3W2                     |  |   |  | YSLY (LSYY) 7x0,75JZ M16    |  |   |  | 6               |  | Motorvollschutz Verdichter 2      |  |   |  |  |  |  |  |
| 12  |  | -3B2      |  |   |  | -3W3                     |  |   |  | YSLY (LSYY) 4x0,75JZ M16    |  |   |  | 4               |  | Hochdruckschalter Verdichter 1    |  |   |  |  |  |  |  |
| 13  |  | -4B1      |  |   |  | -4W1                     |  |   |  | YSLCY (LSYCVY) 2x0,750Z M16 |  |   |  | 2               |  | HD-Transmitter                    |  |   |  |  |  |  |  |
| 14  |  | -4B2      |  |   |  | -4W2                     |  |   |  | YSLCY (LSYCVY) 2x0,750Z M16 |  |   |  | 2               |  | ND-Transmitter                    |  |   |  |  |  |  |  |
| 15  |  | -5B1      |  |   |  | -5W1                     |  |   |  | YSLY (LSYY) 4x0,75JZ M16    |  |   |  | 4               |  | Niederdruckschalter               |  |   |  |  |  |  |  |
| 16  |  | -5B2      |  |   |  | -5W2                     |  |   |  | YSLY (LSYY) 3x0,75JZ M16    |  |   |  | 3               |  | Pressostat Handbetrieb Notbetrieb |  |   |  |  |  |  |  |
| 17  |  | -7B1      |  |   |  | -7W1                     |  |   |  | YSLY (LSYY) 5x0,750Z M16    |  |   |  | 5               |  | Minimalstandsanzeige ESK ENC2     |  |   |  |  |  |  |  |
|     |  |           |  |   |  |                          |  |   |  |                             |  |   |  |                 |  |                                   |  |   |  |  |  |  |  |
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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             |                        |       |      |        |              | Thermostat                                                                          |  |   |  |   | - 1P1                                                                        |   |  |   |  |   |  |   |                                               |  |
| 1             |                        |       |      |        |              | Schaltschrankventilator                                                             |  |   |  |   | - 1M1                                                                        |   |  |   |  |   |  |   |                                               |  |
| 1             |                        |       |      |        |              | Trafo 400VAC 230VAC 160VA                                                           |  |   |  |   | - 1T1                                                                        |   |  |   |  |   |  |   |                                               |  |
| 1             |                        |       |      |        |              | EMV-Filter                                                                          |  |   |  |   | - 4N2                                                                        |   |  |   |  |   |  |   |                                               |  |
| 1             |                        |       |      |        |              | FU                                                                                  |  |   |  |   | - 4N1                                                                        |   |  |   |  |   |  |   |                                               |  |
| 5             | 55.34.8.230.0040       |       |      |        |              | Finder - Relais Type 55 4polig                                                      |  |   |  |   | - 5K2, - 3K3, - 2K4, - 5K1, - 2K3                                            |   |  |   |  |   |  |   |                                               |  |
| 5             | 94.04                  |       |      |        |              | Fassung für Finder Relais 4polig                                                    |  |   |  |   |                                                                              |   |  |   |  |   |  |   |                                               |  |
| 1             | C13/3                  |       |      |        |              | Sicherungsautomaten                                                                 |  |   |  |   | - 6F1                                                                        |   |  |   |  |   |  |   |                                               |  |
| 1             | C20/3                  |       |      |        |              | Sicherungsautomaten                                                                 |  |   |  |   | - 4F1                                                                        |   |  |   |  |   |  |   |                                               |  |
| 2             | C6/1                   |       |      |        |              | Sicherungsautomaten                                                                 |  |   |  |   | - 1F2, - 1F3                                                                 |   |  |   |  |   |  |   |                                               |  |
| 1             | DILM12-XSPR240         |       |      |        |              | RC-Löschglied                                                                       |  |   |  |   | - 6N2                                                                        |   |  |   |  |   |  |   |                                               |  |
| 2             | DILM17-10(230V50HZ)    |       |      |        |              | Schütz                                                                              |  |   |  |   | - 3K1, - 2K1                                                                 |   |  |   |  |   |  |   |                                               |  |
| 2             | DILM25-10(230V50HZ)    |       |      |        |              | Schütz                                                                              |  |   |  |   | - 3K2, - 2K2                                                                 |   |  |   |  |   |  |   |                                               |  |
| 4             | DILM32-XHI02           |       |      |        |              | Hilfsschalterbaustein                                                               |  |   |  |   |                                                                              |   |  |   |  |   |  |   |                                               |  |
| 2             | DILM32-XMV             |       |      |        |              | Mechanische Verriegelung                                                            |  |   |  |   | - 2N2, - 3N2                                                                 |   |  |   |  |   |  |   |                                               |  |
| 4             | DILM32-XSPR240         |       |      |        |              | RC-Löschglied                                                                       |  |   |  |   | - 2N1, - 2N3, - 3N3, - 3N1                                                   |   |  |   |  |   |  |   |                                               |  |
| 1             | DILM9-10(230V50HZ)     |       |      |        |              | Schütz                                                                              |  |   |  |   | - 6K1                                                                        |   |  |   |  |   |  |   |                                               |  |
| 1             | easy719-AC-RCX         |       |      |        |              | easy719-AC-RCX                                                                      |  |   |  |   | - 5K3                                                                        |   |  |   |  |   |  |   |                                               |  |
| 2             | EK 16 ge/gr            |       |      |        |              | Erdungsklemme                                                                       |  |   |  |   | - X1                                                                         |   |  |   |  |   |  |   |                                               |  |
| 22            | EK 2,5 ge/gr           |       |      |        |              | Erdungsklemme                                                                       |  |   |  |   | - X5, - X4, - X1, - X2, - X3                                                 |   |  |   |  |   |  |   |                                               |  |
| 1             | Klemme 16 blau         |       |      |        |              | Klemme N                                                                            |  |   |  |   | - X1                                                                         |   |  |   |  |   |  |   |                                               |  |
| 7             | Klemme 2,5 blau        |       |      |        |              | Klemme N                                                                            |  |   |  |   | - X1                                                                         |   |  |   |  |   |  |   |                                               |  |
| 69            | Klemme 2,5 grau        |       |      |        |              | Klemme L                                                                            |  |   |  |   | - X2, - X4, - X5, - X3, - XY1, - X1                                          |   |  |   |  |   |  |   |                                               |  |
| 2             | M10HEU2                |       |      |        |              | Umschalter 2pol. 1-0-2                                                              |  |   |  |   | - 3S1, - 2S1                                                                 |   |  |   |  |   |  |   |                                               |  |
| 19            | M16                    |       |      |        |              | Kabelverschraubung                                                                  |  |   |  |   | - 6V4, - 1W2, - 1W3, - 1W4, - 5W2, - 5W1                                     |   |  |   |  |   |  |   |                                               |  |
|               |                        |       |      |        |              |                                                                                     |  |   |  |   | - 7V1, - 2W2, - 1V1, - 1W1, - 6V3, - 5V1                                     |   |  |   |  |   |  |   |                                               |  |
|               |                        |       |      |        |              |                                                                                     |  |   |  |   | - 7W1, - 2W3, - 4W1, - 3W3, - 2W4, - 3W2                                     |   |  |   |  |   |  |   |                                               |  |
|               |                        |       |      |        |              |                                                                                     |  |   |  |   | - 4W2                                                                        |   |  |   |  |   |  |   |                                               |  |
| 2             | M20                    |       |      |        |              | Kabelverschraubung                                                                  |  |   |  |   | - 6V1, - 6V2                                                                 |   |  |   |  |   |  |   |                                               |  |
| 2             | M25                    |       |      |        |              | Kabelverschraubung                                                                  |  |   |  |   | - 2W1, - 3W1                                                                 |   |  |   |  |   |  |   |                                               |  |
| 1             | M40                    |       |      |        |              | Kabelverschraubung                                                                  |  |   |  |   | - 1W1                                                                        |   |  |   |  |   |  |   |                                               |  |
| 2             | NHI-E-11-PKZ0          |       |      |        |              | Normalhilfsschalter                                                                 |  |   |  |   |                                                                              |   |  |   |  |   |  |   |                                               |  |
| 1             | NLT80/3V/Z33           |       |      |        |              | Hauptschalter                                                                       |  |   |  |   | - 1Q1                                                                        |   |  |   |  |   |  |   |                                               |  |
|               |                        |       |      | Datum  | 25.11.19     |  |  |   |  |   | EFU2B03v9-0E<br>Baugrösse 3 mit 2 Verdichter HGX34e-315-4SA<br>Materialliste |   |  |   |  |   |  |   | Zeichn.Nr.:<br>193/19<br>Blatt 1<br>von 2 Bl. |  |
|               |                        |       |      | Bearb. | Hattinger F. |                                                                                     |  |   |  |   |                                                                              |   |  |   |  |   |  |   |                                               |  |
|               |                        |       |      | Gepr.  |              |                                                                                     |  |   |  |   |                                                                              |   |  |   |  |   |  |   |                                               |  |
| Zust.         | Änderung               | Datum | Name | Norm   |              |                                                                                     |  |   |  |   |                                                                              |   |  |   |  |   |  |   |                                               |  |

| 0             |  | 1                         |  | 2 |  | 3                           |  | 4 |  | 5 |  | 6                      |  | 7 |  | 8 |  | 9 |  |
|---------------|--|---------------------------|--|---|--|-----------------------------|--|---|--|---|--|------------------------|--|---|--|---|--|---|--|
| Stück<br>Zahl |  | Artikel<br>Bezeichnung    |  |   |  | Artikel<br>Beschreibung     |  |   |  |   |  | Artikel<br>Bezüge      |  |   |  |   |  |   |  |
| 1             |  | PKZMO-0,63-T              |  |   |  | Transformatorschutzschalter |  |   |  |   |  | -1F1                   |  |   |  |   |  |   |  |
| 1             |  | PKZMO-16                  |  |   |  | Motorschutzschalter         |  |   |  |   |  | -2F1                   |  |   |  |   |  |   |  |
| 1             |  | Signalleuchte gelb        |  |   |  | Signalglimmlampe gelb       |  |   |  |   |  | -4H1                   |  |   |  |   |  |   |  |
| 2             |  | Signalleuchte grün        |  |   |  | Signalglimmlampe grün       |  |   |  |   |  | -3H1, -2H1             |  |   |  |   |  |   |  |
| 4             |  | Signalleuchte rot         |  |   |  | Signalglimmlampe rot        |  |   |  |   |  | -2H2, -3H2, -2H3, -5H1 |  |   |  |   |  |   |  |
| 1             |  | WS 8830 B=800 H=800 T=300 |  |   |  | Wandschrank IP 55           |  |   |  |   |  | -0N1                   |  |   |  |   |  |   |  |
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