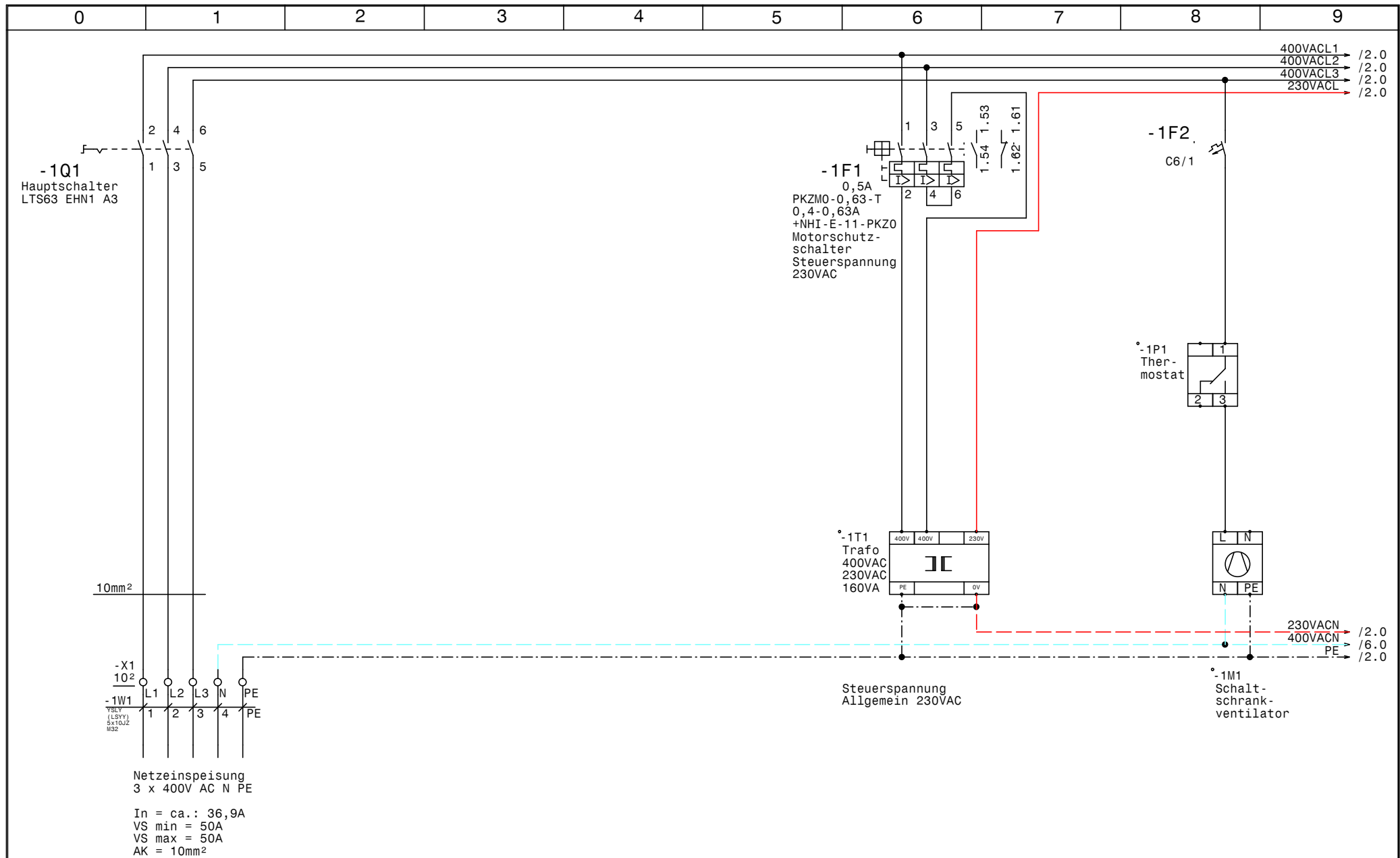


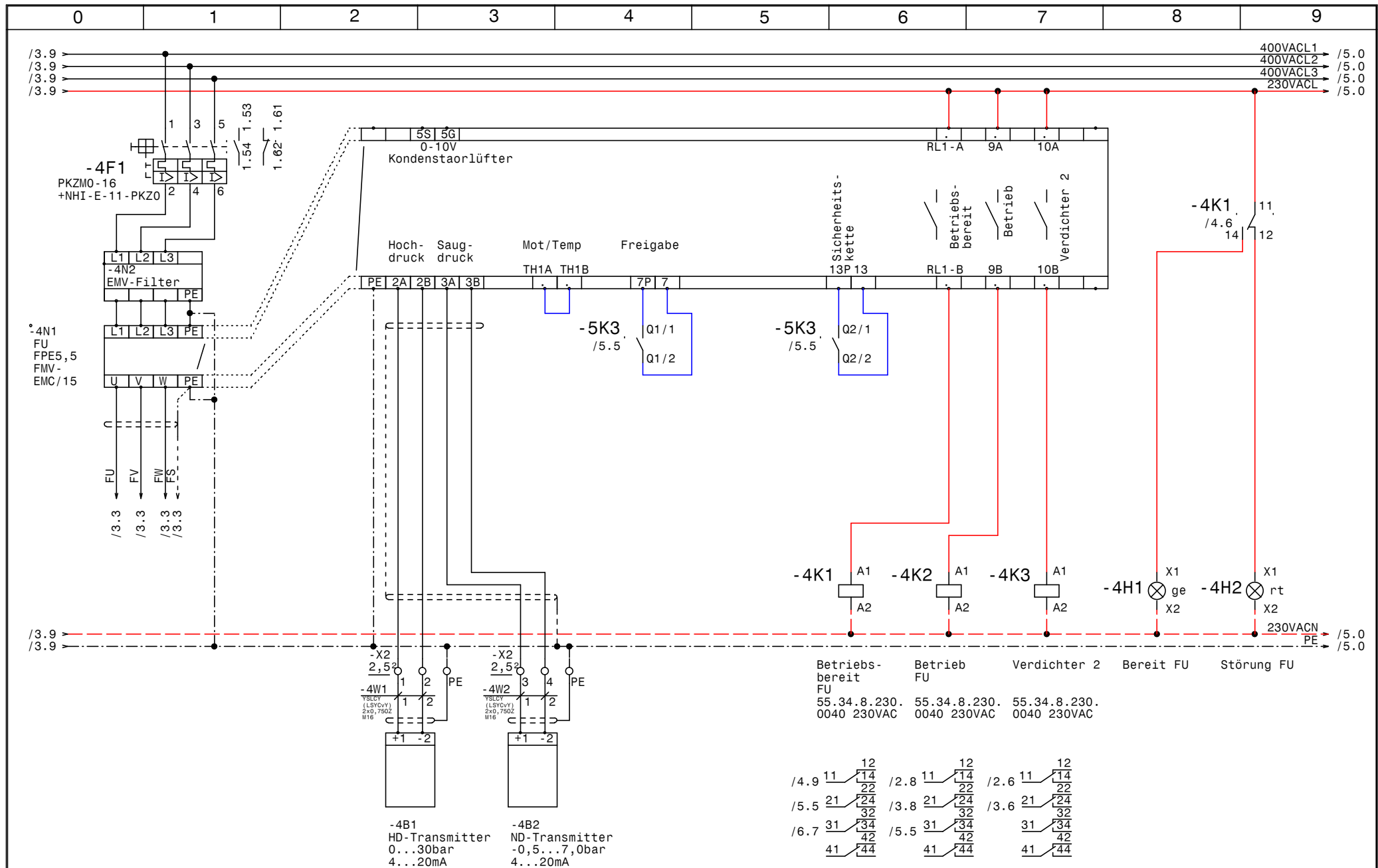




|       |          |       |      |        |           |                                                                                     |                                                                                  |  |             |
|-------|----------|-------|------|--------|-----------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--|-------------|
|       |          |       |      | Datum  | 08.07.13  |  | E-FU-2B0-2v3<br>Baugröße 2 mit 2 Verdichter HGX22P-190-4S<br><b>Netzanschluß</b> |  | Zeichn.Nr.: |
|       |          |       |      | Bearb. | Hattinger |                                                                                     |                                                                                  |  | EFU2B02v3   |
|       |          |       |      | Gepr.  |           |                                                                                     |                                                                                  |  | Blatt 1     |
| Zust. | Änderung | Datum | Name | Norm   |           |                                                                                     |                                                                                  |  | von 8 Bl.   |





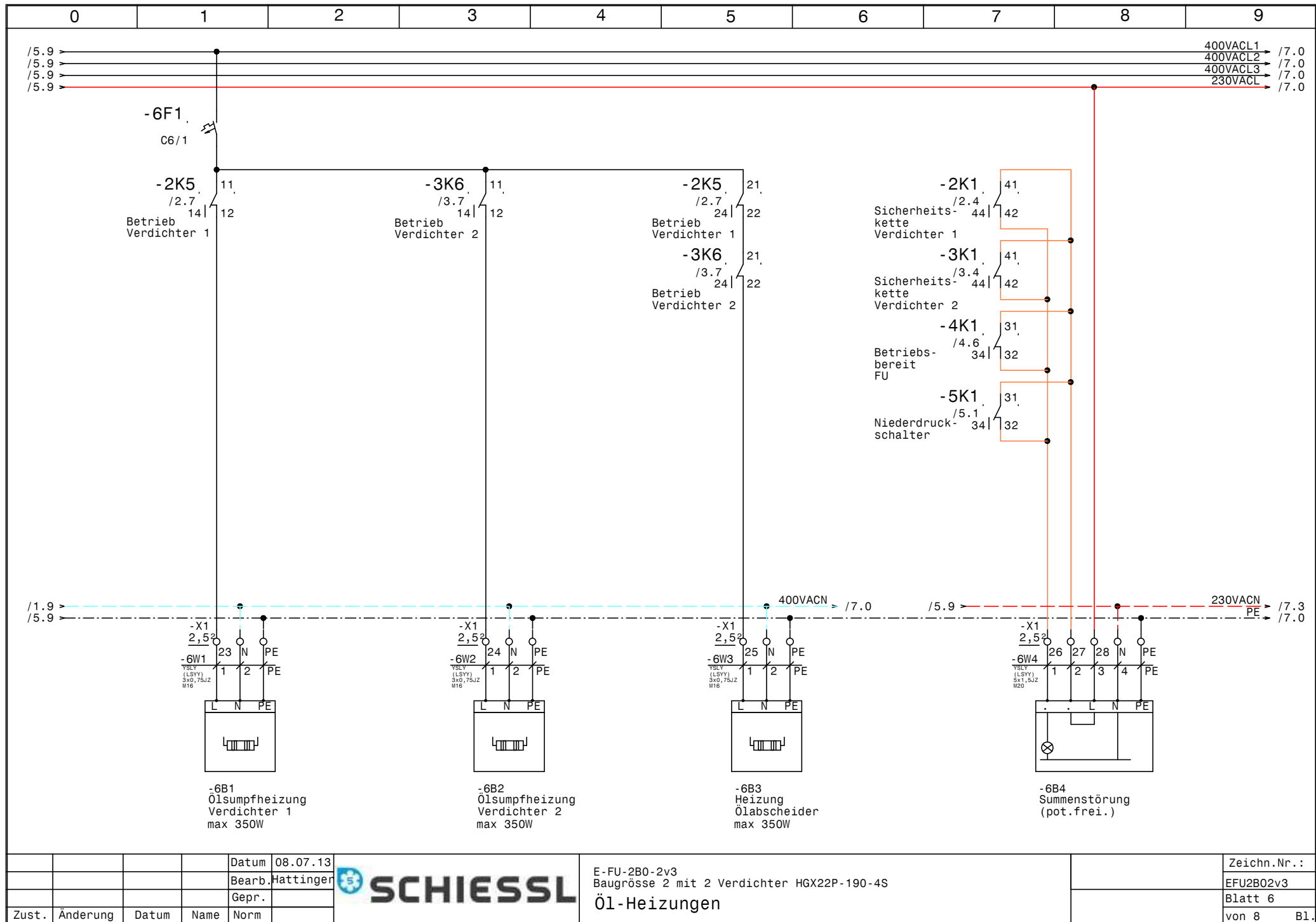


|       |          |       |      |        |           |  |  |  |             |
|-------|----------|-------|------|--------|-----------|--|--|--|-------------|
|       |          |       |      | Datum  | 08.07.13  |  |  |  | Zeichn.Nr.: |
|       |          |       |      | Bearb. | Hattinger |  |  |  | EFU2B02v3   |
|       |          |       |      | Gepr.  |           |  |  |  | Blatt 4     |
| Zust. | Änderung | Datum | Name | Norm   |           |  |  |  | von 8 Bl.   |



E-FU-2B0-2v3  
Baugröße 2 mit 2 Verdichter HGX22P-190-4S  
Plusverbund Frequenzumrichter



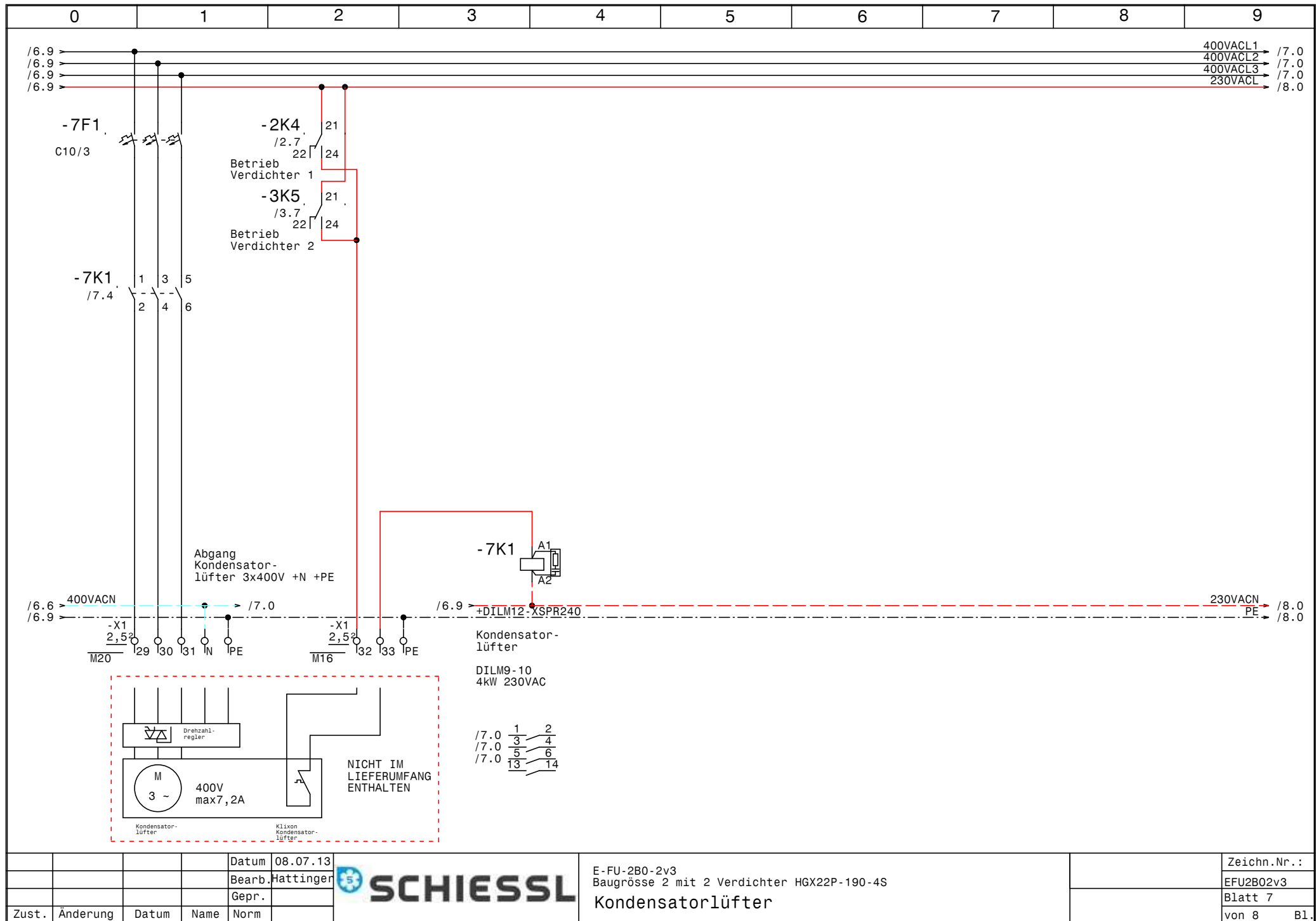


|       |          |       |        |           |
|-------|----------|-------|--------|-----------|
|       |          |       | Datum  | 08.07.13  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |



E-FU-2B0-2v3  
 Baugröße 2 mit 2 Verdichter HGX22P-190-4S  
 Öl-Heizungen

|             |
|-------------|
| Zeichn.Nr.: |
| EFU2B02v3   |
| Blatt 6     |
| von 8 Bl.   |





[illegible]

|       |          |       |      |        |           |                                                                                      |                                                                                   |  |             |
|-------|----------|-------|------|--------|-----------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--|-------------|
|       |          |       |      | Datum  | 08.07.13  |  | E-FU-2B0-2v3<br>Baugröße 2 mit 2 Verdichter HGX22P-190-4S<br>Minimalstandsanzeige |  | Zeichn.Nr.: |
|       |          |       |      | Bearb. | Hattinger |                                                                                      |                                                                                   |  | EFU2B02v3   |
|       |          |       |      | Gepr.  |           |                                                                                      |                                                                                   |  | Blatt 8     |
| Zust. | Änderung | Datum | Name | Norm   |           |                                                                                      |                                                                                   |  | von 8 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) 5x10JZ M32      |   |  |   | 5               |   | Netzeinspeisung 3 x 400V AC N PE  |   |  |   |  |  |
| 2   | -2M1      |   |  |   | -2W1                     |   |  |   | YSLCY (LSYCVY) 4x1,5JZ M20  |   |  |   | 4               |   | Verdichter 1                      |   |  |   |  |  |
| 3   | -2B1      |   |  |   | -2W2                     |   |  |   | YSLY (LSYY) 7x0,75JZ M16    |   |  |   | 6               |   | Motorvollschutz Verdichter 1      |   |  |   |  |  |
| 4   | -2B2      |   |  |   | -2W3                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Hochdruckschalter Verdichter 1    |   |  |   |  |  |
| 5   | -3M1      |   |  |   | -3W1                     |   |  |   | YSLCY (LSYCVY) 4x1,5JZ M20  |   |  |   | 4               |   | Verdichter 2                      |   |  |   |  |  |
| 6   | -3B1      |   |  |   | -3W2                     |   |  |   | YSLY (LSYY) 7x0,75JZ M16    |   |  |   | 6               |   | Motorvollschutz Verdichter 2      |   |  |   |  |  |
| 7   | -3B2      |   |  |   | -3W3                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Hochdruckschalter Verdichter 2    |   |  |   |  |  |
| 8   | -4B1      |   |  |   | -4W1                     |   |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  |   | 2               |   | HD-Transmitter                    |   |  |   |  |  |
| 9   | -4B2      |   |  |   | -4W2                     |   |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  |   | 2               |   | ND-Transmitter                    |   |  |   |  |  |
| 10  | -5B1      |   |  |   | -5W1                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Niederdruckschalter               |   |  |   |  |  |
| 11  | -5B2      |   |  |   | -5W2                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Pressostat Handbetrieb Notbetrieb |   |  |   |  |  |
| 12  | -6B1      |   |  |   | -6W1                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Ölsumpfheizung Verdichter 1       |   |  |   |  |  |
| 13  | -8B1      |   |  |   | -6W1                     |   |  |   | YSLY (LSYY) 5x0,750Z M16    |   |  |   | 5               |   | Minimalstandsanzeige ESK ENC2     |   |  |   |  |  |
| 14  | -6B2      |   |  |   | -6W2                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Ölsumpfheizung Verdichter 2       |   |  |   |  |  |
| 15  | -6B3      |   |  |   | -6W3                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Heizung Ölabscheider              |   |  |   |  |  |
| 16  | -6B4      |   |  |   | -6W4                     |   |  |   | YSLY (LSYY) 5x1,5JZ M20     |   |  |   | 5               |   | Summenstörung (pot.frei.)         |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                   |   |  |   |  |  |

| 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                                                                        |   |   |             |
| 3             | NHI-E-11-PKZO             |       |        | Normalhilfsschalter              |                                                                                     |                                                                             |   |   |             |
| 1             | PKZMO-10                  |       |        | Motorschutzschalter              |                                                                                     | -2F1                                                                        |   |   |             |
| 1             | PKZMO-16                  |       |        | Motorschutzschalter              |                                                                                     | -4F1                                                                        |   |   |             |
| 2             | C6/1                      |       |        | Sicherungsautomaten              |                                                                                     | -6F1, -1F2                                                                  |   |   |             |
| 1             | C10/3                     |       |        | Sicherungsautomaten              |                                                                                     | -7F1                                                                        |   |   |             |
| 2             | Signalleuchte grün        |       |        | Signalglimmlampe grün            |                                                                                     | -2H1, -3H1                                                                  |   |   |             |
| 1             | Signalleuchte gelb        |       |        | Signalglimmlampe gelb            |                                                                                     | -4H1                                                                        |   |   |             |
| 4             | Signalleuchte rot         |       |        | Signalglimmlampe rot             |                                                                                     | -4H2, -2H2, -5H1, -3H2                                                      |   |   |             |
| 4             | DILM32-XHI02              |       |        | Hilfsschalterbaustein            |                                                                                     |                                                                             |   |   |             |
| 2             | DILM15-10(230V50HZ)       |       |        | Schütz                           |                                                                                     | -2K3, -3K4                                                                  |   |   |             |
| 1             | TM16 E 24ac/dc\230Vac     |       |        | Multifunktion Zeitrelais         |                                                                                     | -3K2                                                                        |   |   |             |
| 2             | DILM12-10(230V50HZ)       |       |        | Schütz                           |                                                                                     | -3K3, -2K2                                                                  |   |   |             |
| 13            | 94.04                     |       |        | Fassung für Finder Relais 4polig |                                                                                     |                                                                             |   |   |             |
| 13            | 55.34.8.230.0040          |       |        | Finder - Relais Type 55 4polig   |                                                                                     | -5K2, -4K3, -2K5, -5K4, -4K2, -5K5                                          |   |   |             |
|               |                           |       |        |                                  |                                                                                     | -5K1, -4K1, -3K1, -2K4, -3K5, -2K1                                          |   |   |             |
|               |                           |       |        |                                  |                                                                                     | -3K6                                                                        |   |   |             |
| 1             | easy512-AC-RCX            |       |        | easy512-AC-RCX                   |                                                                                     | -5K3                                                                        |   |   |             |
| 1             | DILM9-10(230V50HZ)        |       |        | Schütz                           |                                                                                     | -7K1                                                                        |   |   |             |
| 1             |                           |       |        | Schaltschrankventilator          |                                                                                     | -1M1                                                                        |   |   |             |
| 1             | WS 8830 B=800 H=800 T=300 |       |        | Wandschrank IP 55                |                                                                                     | -0N1                                                                        |   |   |             |
| 2             | DILM12-XMV                |       |        | Mechanische Verriegelung         |                                                                                     | -2N2, -3N2                                                                  |   |   |             |
| 5             | DILM12-XSPR240            |       |        | RC-Löschglied                    |                                                                                     | -3N1, -2N1, -2N3, -7N1, -3N3                                                |   |   |             |
| 1             |                           |       |        | FU                               |                                                                                     | -4N1                                                                        |   |   |             |
| 1             |                           |       |        | EMV-Filter                       |                                                                                     | -4N2                                                                        |   |   |             |
| 1             |                           |       |        | Thermostat                       |                                                                                     | -1P1                                                                        |   |   |             |
| 1             | LTS63 EHN1 A3             |       |        | Hauptschalter                    |                                                                                     | -1Q1                                                                        |   |   |             |
| 2             | M10HEU2                   |       |        | Umschalter 2pol. 1-0-2           |                                                                                     | -3S1, -2S1                                                                  |   |   |             |
| 1             |                           |       |        | Trafo 400VAC 230VAC 160VA        |                                                                                     | -1T1                                                                        |   |   |             |
| 1             | M32                       |       |        | Kabelverschraubung               |                                                                                     | -1W1                                                                        |   |   |             |
| 14            | M16                       |       |        | Kabelverschraubung               |                                                                                     | -5W1, -2W2, -2W3, -8V1, -6W2, -4W1                                          |   |   |             |
|               |                           |       |        |                                  |                                                                                     | -3W3, -7V2, -6W1, -6W3, -3W2, -5W2                                          |   |   |             |
|               |                           |       |        |                                  |                                                                                     | -6W1, -4W2                                                                  |   |   |             |
|               |                           |       | Datum  | 08.07.13                         |  | E-FU-2B0-2v3<br>Baugrösse 2 mit 2 Verdichter HGX22P-190-4S<br>Materialliste |   |   | Zeichn.Nr.: |
|               |                           |       | Bearb. | Hattinger F.                     |                                                                                     |                                                                             |   |   | EFU2B02v3   |
|               |                           |       | Gepr.  |                                  |                                                                                     |                                                                             |   |   | Blatt 1     |
| Zust.         | Änderung                  | Datum | Name   | Norm                             |                                                                                     |                                                                             |   |   | von 2 Bl.   |

| 0             |  | 1                      |  | 2 |  | 3                       |  | 4 |  | 5                      |  | 6 |  | 7 |  | 8 |  | 9 |  |
|---------------|--|------------------------|--|---|--|-------------------------|--|---|--|------------------------|--|---|--|---|--|---|--|---|--|
| Stück<br>Zahl |  | Artikel<br>Bezeichnung |  |   |  | Artikel<br>Beschreibung |  |   |  | Artikel<br>Bezüge      |  |   |  |   |  |   |  |   |  |
| 4             |  | M20                    |  |   |  | Kabelverschraubung      |  |   |  | -6W4, -3W1, -7V1, -2W1 |  |   |  |   |  |   |  |   |  |
| 9             |  | Klemme 2,5 blau        |  |   |  | Klemme N                |  |   |  | -X1, -X3               |  |   |  |   |  |   |  |   |  |
| 3             |  | Klemme 10 grau         |  |   |  | Klemme L                |  |   |  | -X1                    |  |   |  |   |  |   |  |   |  |
| 1             |  | EK 10 ge/gr            |  |   |  | Erdungsklemme           |  |   |  | -X1                    |  |   |  |   |  |   |  |   |  |
| 1             |  | Klemme 10 blau         |  |   |  | Klemme N                |  |   |  | -X1                    |  |   |  |   |  |   |  |   |  |
| 20            |  | EK 2,5 ge/gr           |  |   |  | Erdungsklemme           |  |   |  | -X2, -X1, -X3          |  |   |  |   |  |   |  |   |  |
| 48            |  | Klemme 2,5 grau        |  |   |  | Klemme L                |  |   |  | -X2, -X1, -X3, -XY1    |  |   |  |   |  |   |  |   |  |
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