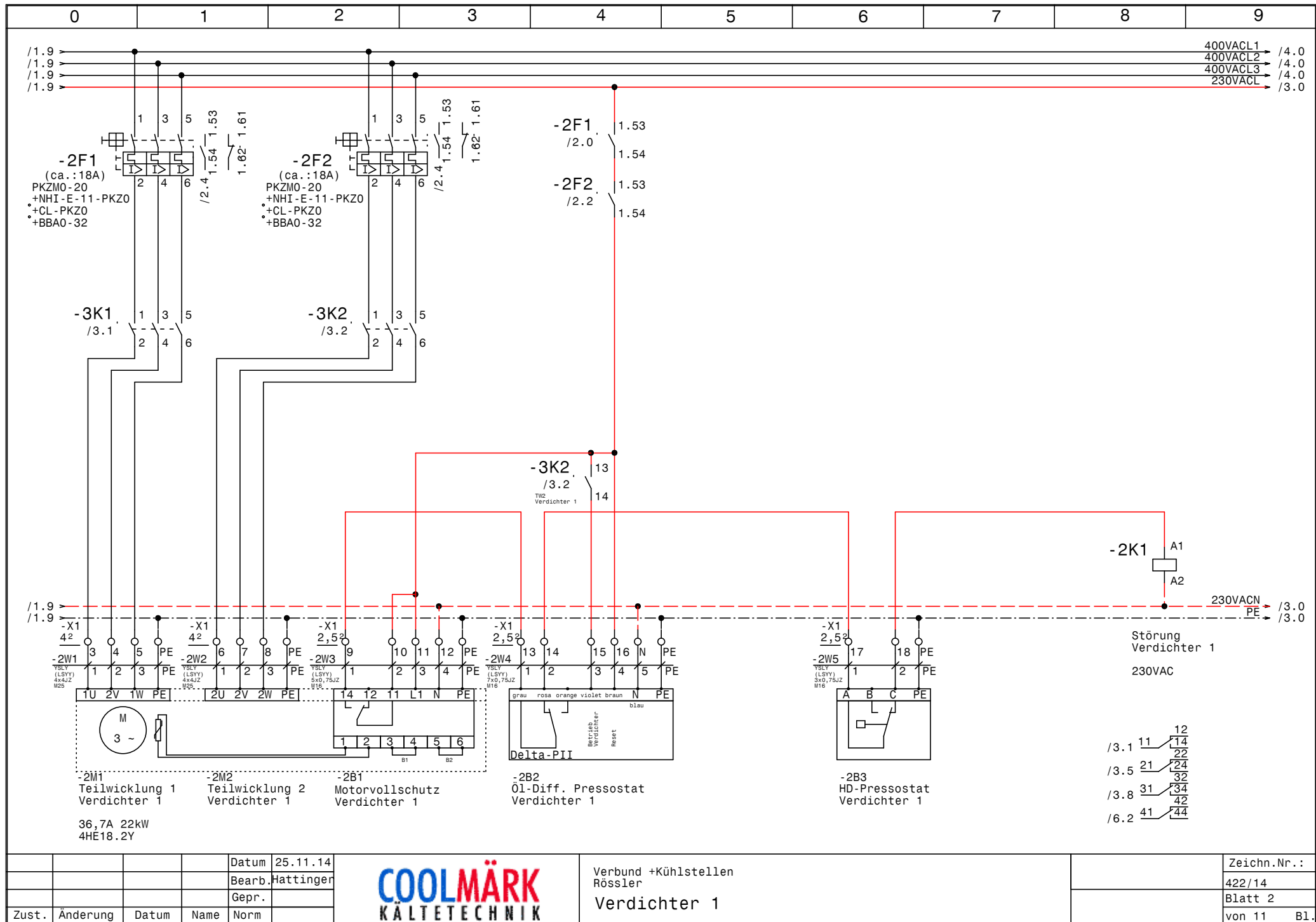
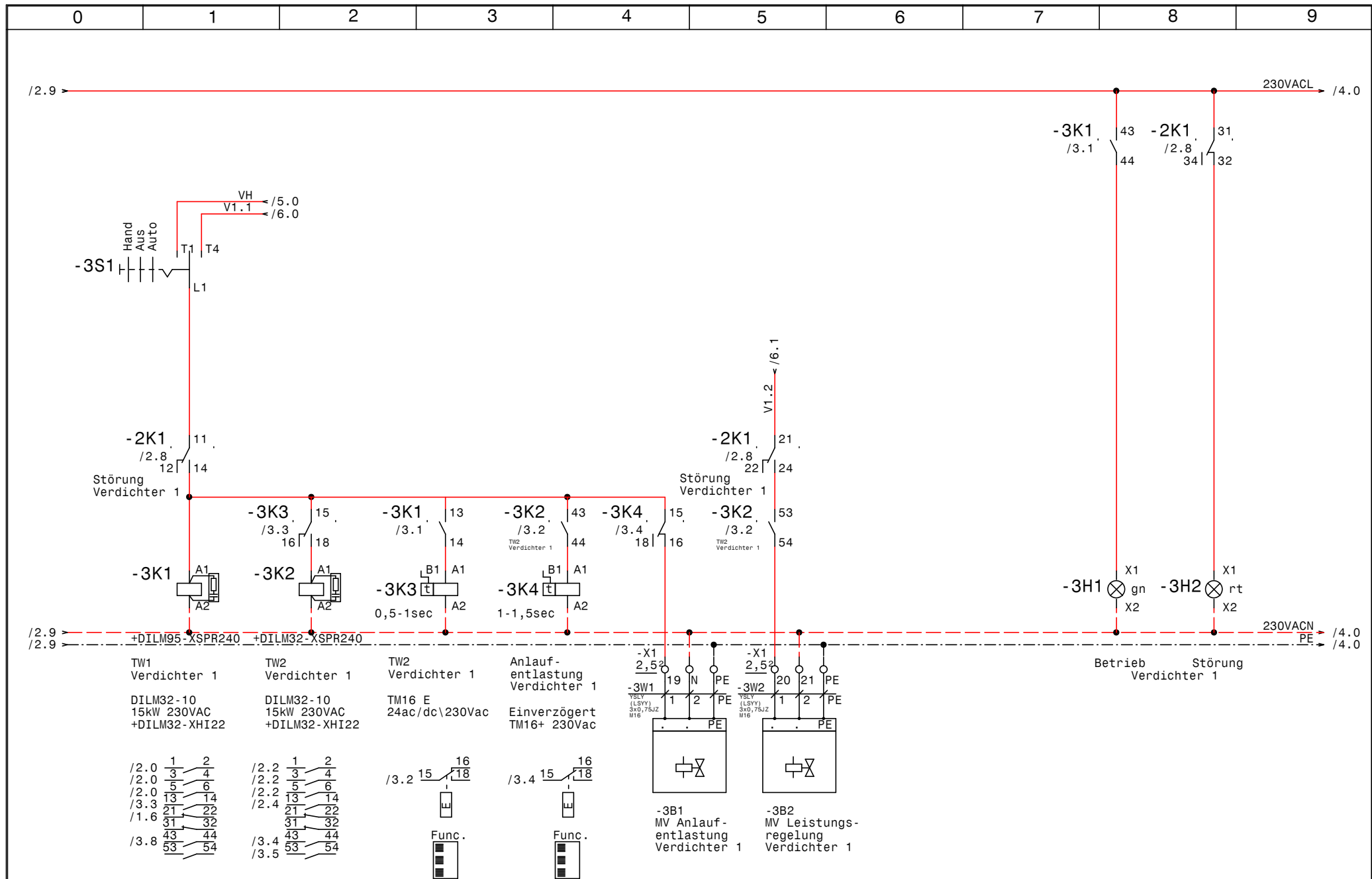








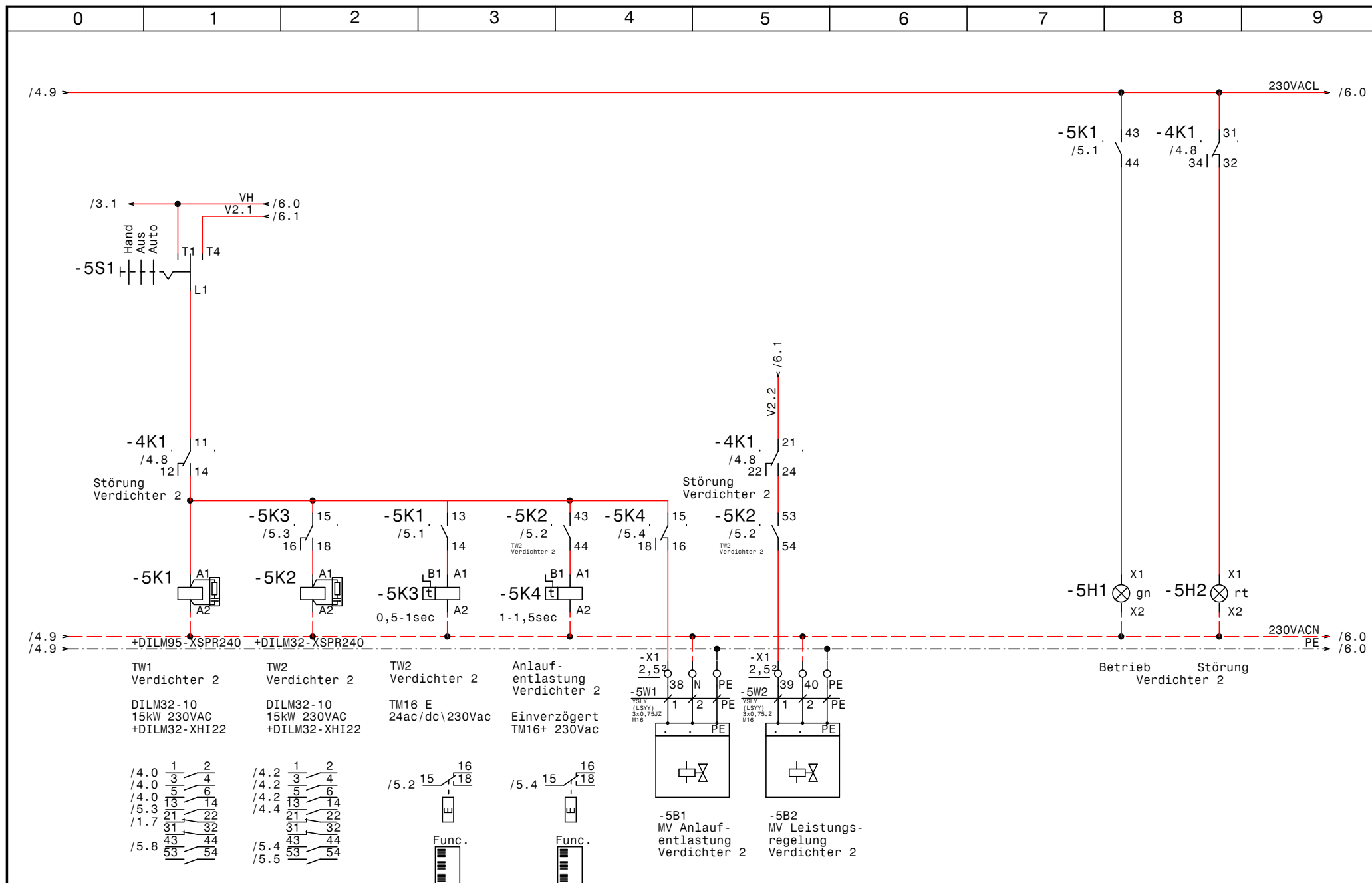


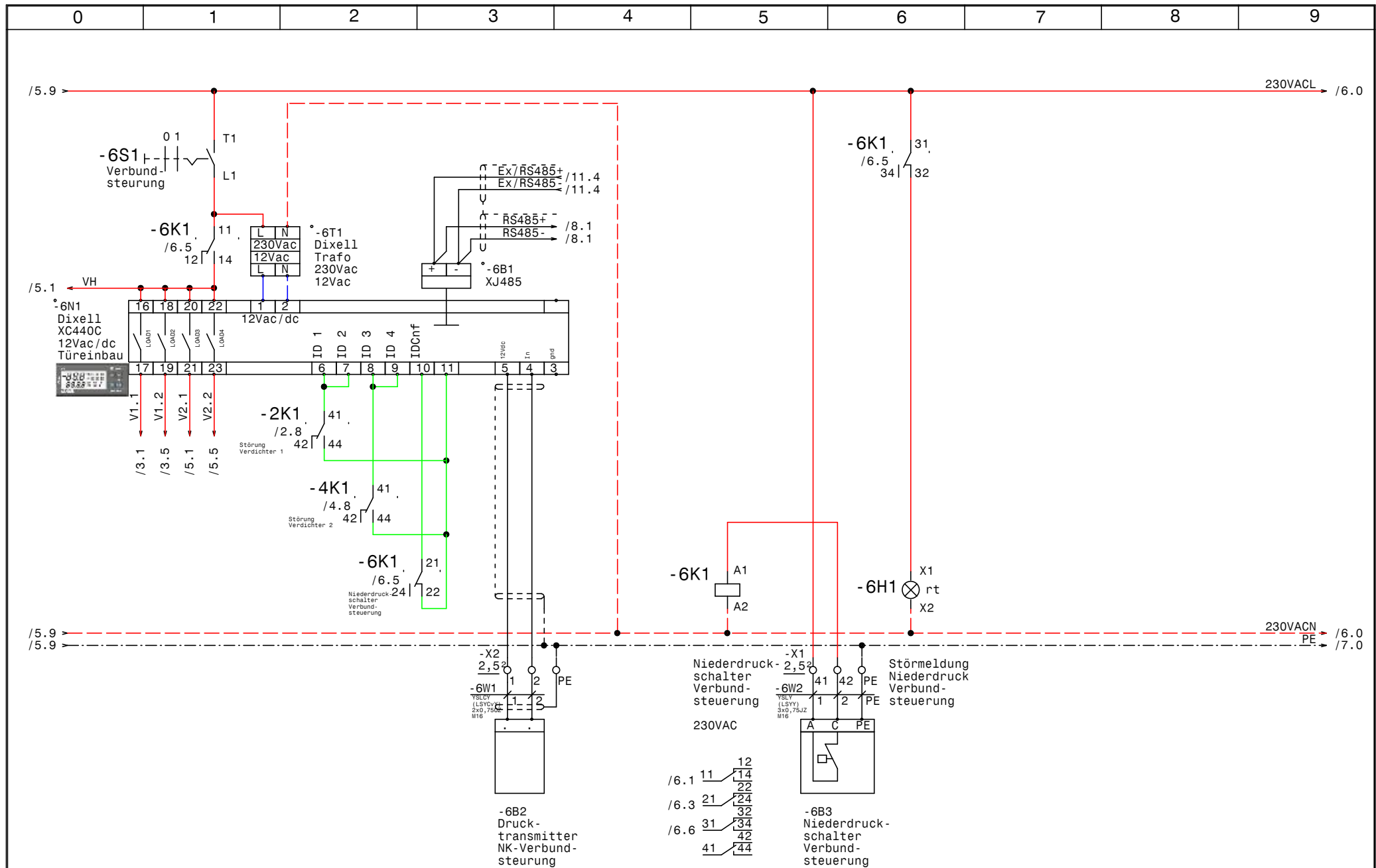
|       |          |       |      |        |           |  |  |             |     |
|-------|----------|-------|------|--------|-----------|--|--|-------------|-----|
|       |          |       |      | Datum  | 25.11.14  |  |  | Zeichn.Nr.: |     |
|       |          |       |      | Bearb. | Hattinger |  |  | 422/14      |     |
|       |          |       |      | Gepr.  |           |  |  | Blatt 3     |     |
| Zust. | Änderung | Datum | Name | Norm   |           |  |  | von 11      | Bl. |

**COOLMÄRK**  
KÄLTETECHNIK

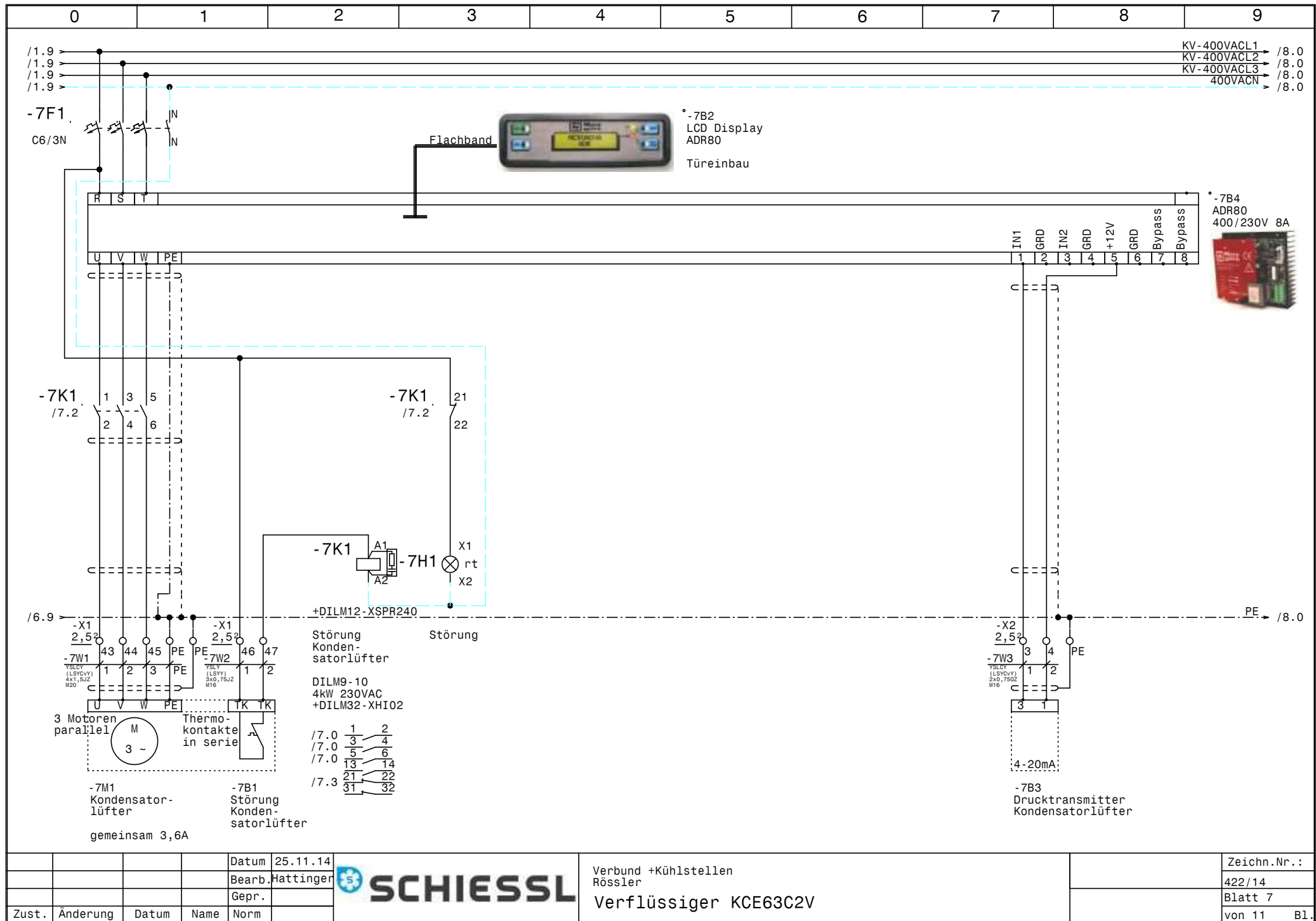
Verbund +Kühlstellen  
Rössler  
Verdichter 1

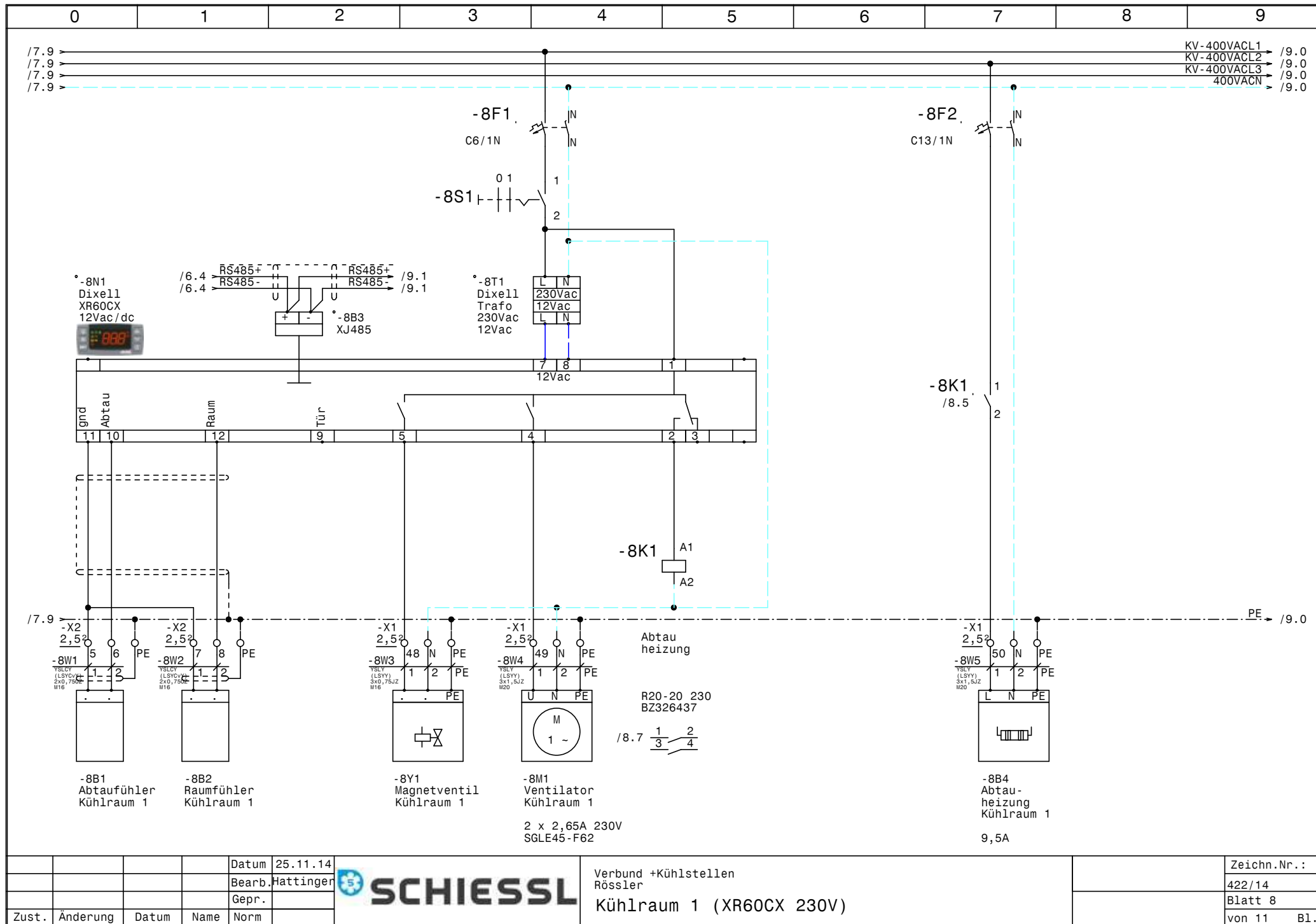






|       |          |       |      |        |           |                                                                                     |                                 |  |             |
|-------|----------|-------|------|--------|-----------|-------------------------------------------------------------------------------------|---------------------------------|--|-------------|
|       |          |       |      | Datum  | 25.11.14  |  | Verbund +Kühlstellen<br>Rössler |  | Zeichn.Nr.: |
|       |          |       |      | Bearb. | Hattinger |                                                                                     |                                 |  | 422/14      |
|       |          |       |      | Gepr.  |           |                                                                                     |                                 |  | Blatt 6     |
| Zust. | Änderung | Datum | Name | Norm   |           |                                                                                     | NK-Verbundsteuerung             |  | von 11 Bl.  |



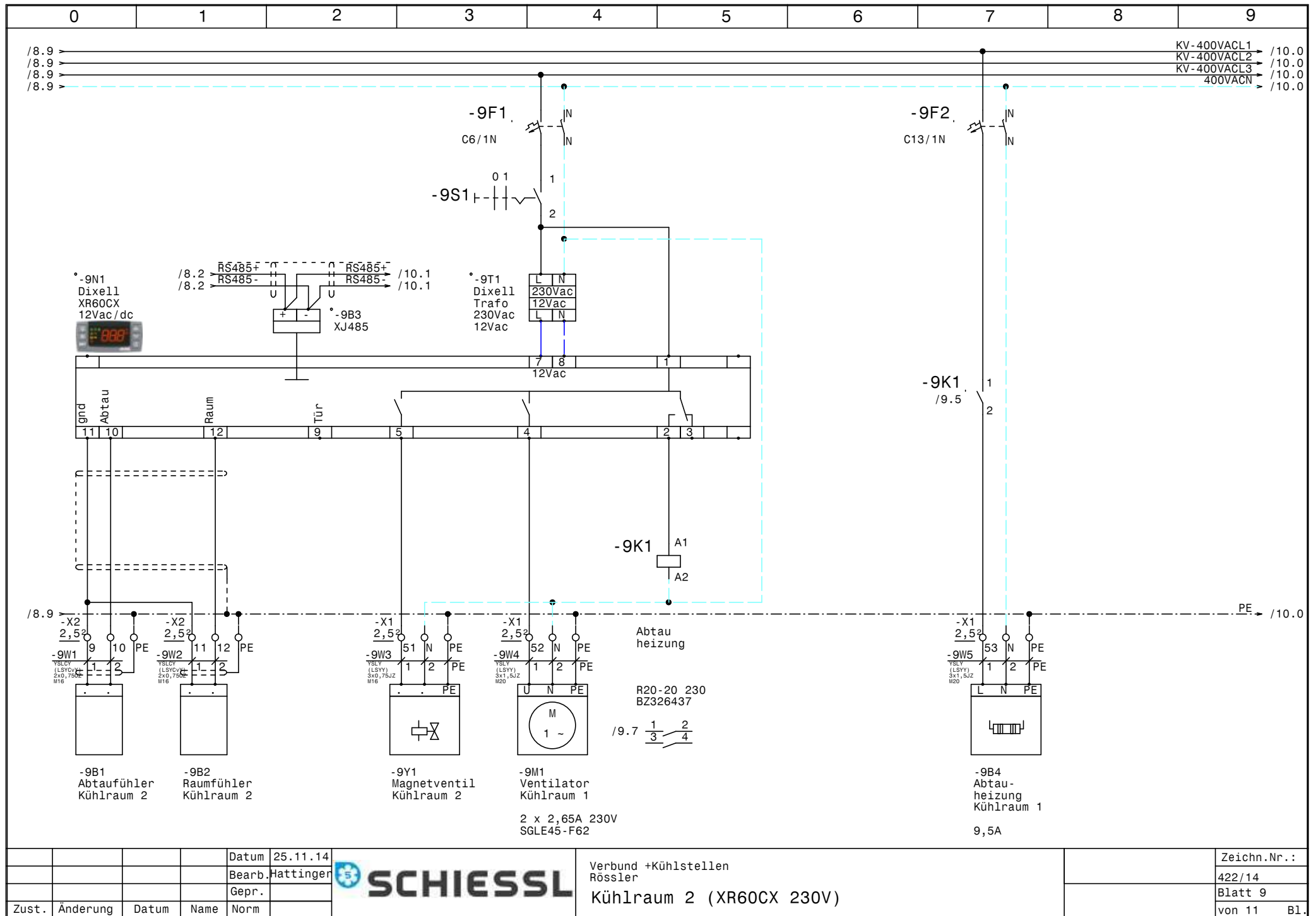


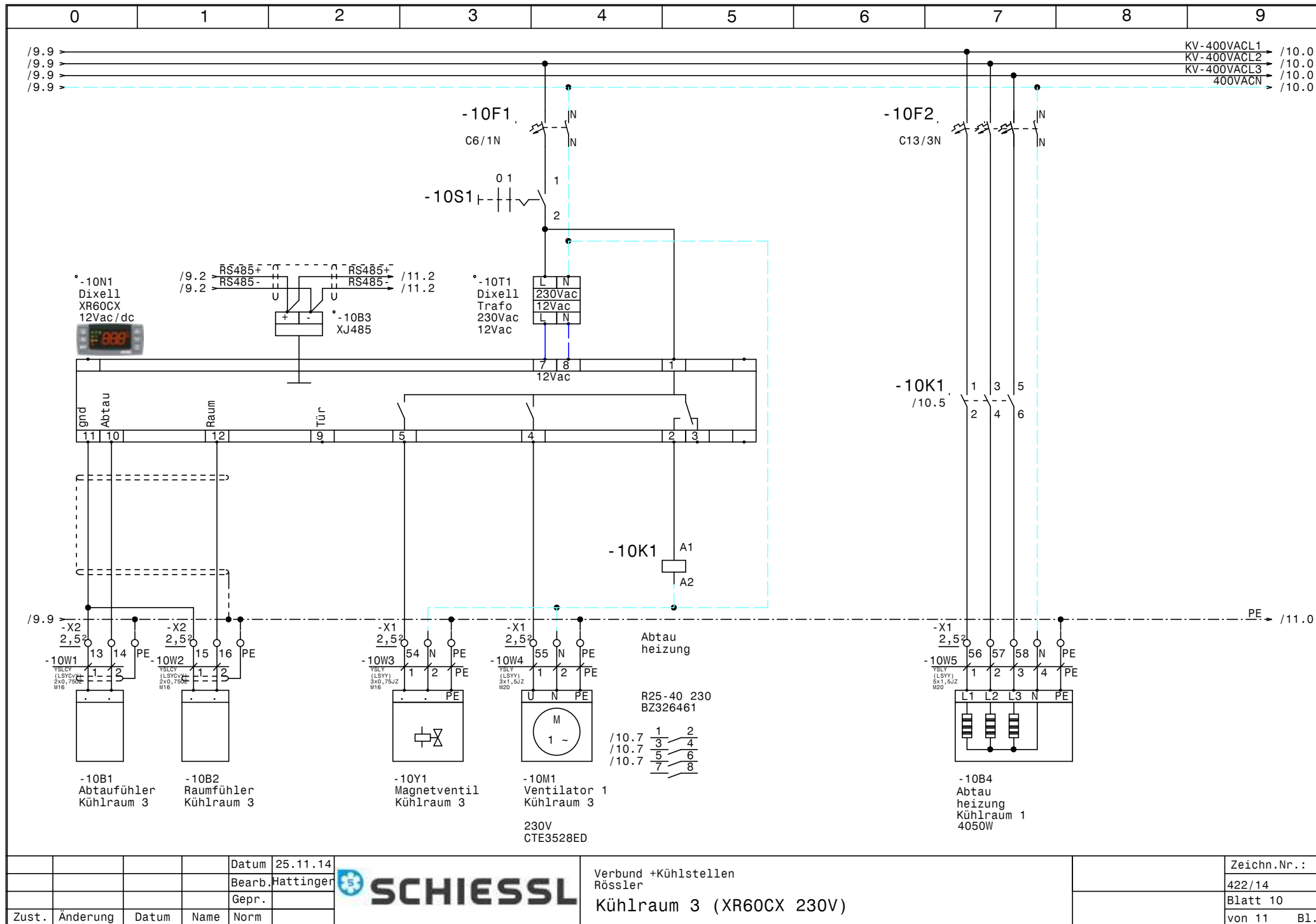
|       |          |       |        |           |
|-------|----------|-------|--------|-----------|
|       |          |       | Datum  | 25.11.14  |
|       |          |       | Bearb. | Hattinger |
|       |          |       | Gepr.  |           |
| Zust. | Änderung | Datum | Name   | Norm      |



Verbund +Kühlstellen  
Rössler  
Kühlraum 1 (XR60CX 230V)

|  |             |
|--|-------------|
|  | Zeichn.Nr.: |
|  | 422/14      |
|  | Blatt 8     |
|  | von 11 Bl.  |



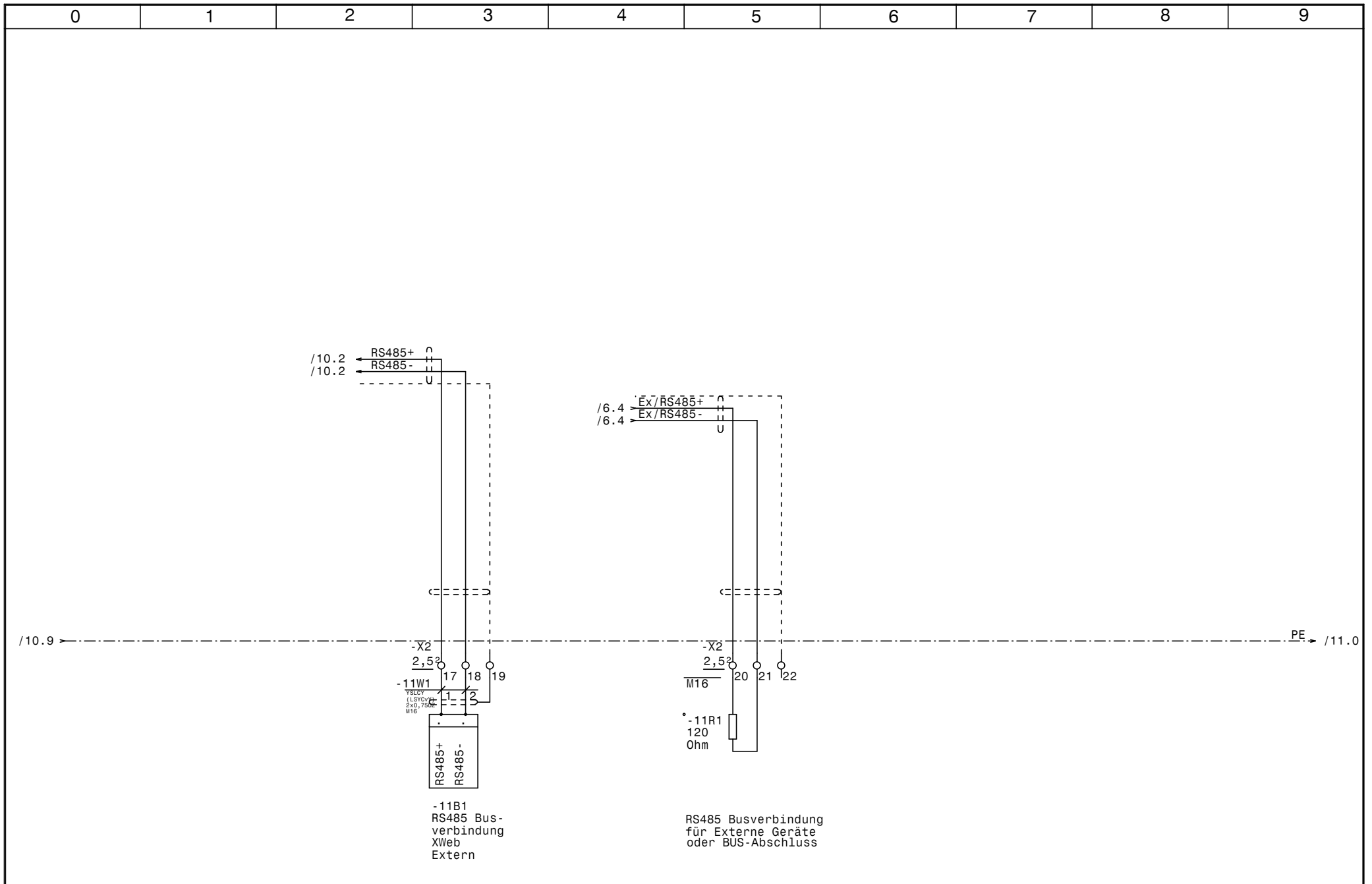


|       |          |       |      |        |           |
|-------|----------|-------|------|--------|-----------|
|       |          |       |      | Datum  | 25.11.14  |
|       |          |       |      | Bearb. | Hattinger |
|       |          |       |      | Gepr.  |           |
| Zust. | Änderung | Datum | Name | Norm   |           |



Verbund +Kühlstellen  
Rössler  
Kühlraum 3 (XR60CX 230V)

|             |     |
|-------------|-----|
| Zeichn.Nr.: |     |
| 422/14      |     |
| Blatt 10    |     |
| von 11      | Bl. |



|       |          |       |      |        |           |                                                                                     |                                                             |             |     |
|-------|----------|-------|------|--------|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------|-----|
|       |          |       |      | Datum  | 25.11.14  |  | Verbund +Kühlstellen<br>Rössler<br>RS485 Busverbindung XWeb | Zeichn.Nr.: |     |
|       |          |       |      | Bearb. | Hattinger |                                                                                     |                                                             | 422/14      |     |
|       |          |       |      | Gepr.  |           |                                                                                     |                                                             | Blatt 11    |     |
| Zust. | Änderung | Datum | Name | Norm   |           |                                                                                     |                                                             | von 11      | 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) 4x50JZ M40      |   |  |   | 4               |   | Netzeinspeisung 3 x 400V AC PEN      |   |  |   |  |  |
| 2   | -1B1      |   |  |   | -1W2                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Ölsumpfheizung Verdichter 1          |   |  |   |  |  |
| 3   | -1B2      |   |  |   | -1W3                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Ölsumpfheizung Verdichter 2          |   |  |   |  |  |
| 4   | -2M1      |   |  |   | -2W1                     |   |  |   | YSLY (LSYY) 4x4JZ M25       |   |  |   | 4               |   | Teilwicklung 1 Verdichter 1          |   |  |   |  |  |
| 5   | -2M2      |   |  |   | -2W2                     |   |  |   | YSLY (LSYY) 4x4JZ M25       |   |  |   | 4               |   | Teilwicklung 2 Verdichter 1          |   |  |   |  |  |
| 6   | -2B1      |   |  |   | -2W3                     |   |  |   | YSLY (LSYY) 5x0,75JZ M16    |   |  |   | 5               |   | Motorvollschutz Verdichter 1         |   |  |   |  |  |
| 7   | -2B2      |   |  |   | -2W4                     |   |  |   | YSLY (LSYY) 7x0,75JZ M16    |   |  |   | 6               |   | Öl-Diff. Pressostat Verdichter 1     |   |  |   |  |  |
| 8   | -2B3      |   |  |   | -2W5                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | HD-Pressostat Verdichter 1           |   |  |   |  |  |
| 9   | -3B1      |   |  |   | -3W1                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | MV Anlaufentlastung Verdichter 1     |   |  |   |  |  |
| 10  | -3B2      |   |  |   | -3W2                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | MV Leistungsregelung Verdichter 1    |   |  |   |  |  |
| 11  | -4M1      |   |  |   | -4W1                     |   |  |   | YSLY (LSYY) 4x4JZ M25       |   |  |   | 4               |   | Teilwicklung 1 Verdichter 2          |   |  |   |  |  |
| 12  | -4M2      |   |  |   | -4W2                     |   |  |   | YSLY (LSYY) 4x4JZ M25       |   |  |   | 4               |   | Teilwicklung 2 Verdichter 2          |   |  |   |  |  |
| 13  | -4B1      |   |  |   | -4W3                     |   |  |   | YSLY (LSYY) 5x0,75JZ M16    |   |  |   | 5               |   | Motorvollschutz Verdichter 2         |   |  |   |  |  |
| 14  | -4B2      |   |  |   | -4W4                     |   |  |   | YSLY (LSYY) 7x0,75JZ M16    |   |  |   | 6               |   | Öl-Diff. Pressostat Verdichter 2     |   |  |   |  |  |
| 15  | -4B3      |   |  |   | -4W5                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | HD-Pressostat Verdichter 2           |   |  |   |  |  |
| 16  | -5B1      |   |  |   | -5W1                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | MV Anlaufentlastung Verdichter 2     |   |  |   |  |  |
| 17  | -5B2      |   |  |   | -5W2                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | MV Leistungsregelung Verdichter 2    |   |  |   |  |  |
| 18  | -6B2      |   |  |   | -6W1                     |   |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  |   | 2               |   | Drucktransmitter NK-Verbundsteuerung |   |  |   |  |  |
| 19  | -6B3      |   |  |   | -6W2                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Niederdruckschalter Verbundsteuerung |   |  |   |  |  |
| 20  | -7M1      |   |  |   | -7W1                     |   |  |   | YSLCY (LSYCVY) 4x1,5JZ M20  |   |  |   | 4               |   | Kondensatorlüfter                    |   |  |   |  |  |
| 21  | -7B1      |   |  |   | -7W2                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 2               |   | Störung Kondensatorlüfter            |   |  |   |  |  |
| 22  | -7B3      |   |  |   | -7W3                     |   |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  |   | 2               |   | Drucktransmitter Kondensatorlüfter   |   |  |   |  |  |
| 23  | -8B1      |   |  |   | -8W1                     |   |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  |   | 2               |   | Abtaufühler Kühlraum 1               |   |  |   |  |  |
| 24  | -8B2      |   |  |   | -8W2                     |   |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  |   | 2               |   | Raumfühler Kühlraum 1                |   |  |   |  |  |
| 25  | -8Y1      |   |  |   | -8W3                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Magnetventil Kühlraum 1              |   |  |   |  |  |
| 26  | -8M1      |   |  |   | -8W4                     |   |  |   | YSLY (LSYY) 3x1,5JZ M20     |   |  |   | 3               |   | Ventilator Kühlraum 1                |   |  |   |  |  |
| 27  | -8B4      |   |  |   | -8W5                     |   |  |   | YSLY (LSYY) 3x1,5JZ M20     |   |  |   | 3               |   | Abtauheizung Kühlraum 1              |   |  |   |  |  |
| 28  | -9B1      |   |  |   | -9W1                     |   |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  |   | 2               |   | Abtaufühler Kühlraum 2               |   |  |   |  |  |
| 29  | -9B2      |   |  |   | -9W2                     |   |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  |   | 2               |   | Raumfühler Kühlraum 2                |   |  |   |  |  |
| 30  | -9Y1      |   |  |   | -9W3                     |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Magnetventil Kühlraum 2              |   |  |   |  |  |
| 31  | -9M1      |   |  |   | -9W4                     |   |  |   | YSLY (LSYY) 3x1,5JZ M20     |   |  |   | 3               |   | Ventilator Kühlraum 1                |   |  |   |  |  |
| 32  | -9B4      |   |  |   | -9W5                     |   |  |   | YSLY (LSYY) 3x1,5JZ M20     |   |  |   | 3               |   | Abtauheizung Kühlraum 1              |   |  |   |  |  |
| 33  | -10B1     |   |  |   | -10W1                    |   |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  |   | 2               |   | Abtaufühler Kühlraum 3               |   |  |   |  |  |
| 34  | -10B2     |   |  |   | -10W2                    |   |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  |   | 2               |   | Raumfühler Kühlraum 3                |   |  |   |  |  |
| 35  | -10Y1     |   |  |   | -10W3                    |   |  |   | YSLY (LSYY) 3x0,75JZ M16    |   |  |   | 3               |   | Magnetventil Kühlraum 3              |   |  |   |  |  |
| 36  | -10M1     |   |  |   | -10W4                    |   |  |   | YSLY (LSYY) 3x1,5JZ M20     |   |  |   | 3               |   | Ventilator 1 Kühlraum 3              |   |  |   |  |  |
| 37  | -10B4     |   |  |   | -10W5                    |   |  |   | YSLY (LSYY) 5x1,5JZ M20     |   |  |   | 5               |   | Abtau heizung Kühlraum 1             |   |  |   |  |  |
| 38  | -11B1     |   |  |   | -11W1                    |   |  |   | YSLCY (LSYCVY) 2x0,750Z M16 |   |  |   | 2               |   | RS485 Busverbindung XWeb Extern      |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                      |   |  |   |  |  |
|     |           |   |  |   |                          |   |  |   |                             |   |  |   |                 |   |                                      |   |  |   |  |  |

|       |          |       |      |        |           |                                                                                     |                      |  |             |
|-------|----------|-------|------|--------|-----------|-------------------------------------------------------------------------------------|----------------------|--|-------------|
|       |          |       |      | Datum  | 25.11.14  |  | Verbund +Kühlstellen |  | Zeichn.Nr.: |
|       |          |       |      | Bearb. | Hattinger |                                                                                     | Rössler              |  | 422/14      |
|       |          |       |      | Gepr.  |           |                                                                                     | Kabelliste           |  | Blatt 1     |
| Zust. | Änderung | Datum | Name | Norm   |           |                                                                                     |                      |  | von 1 Bl.   |

| 0             | 1                           | 2     | 3      | 4                                  | 5                                                                                   | 6                                                | 7 | 8 | 9           |
|---------------|-----------------------------|-------|--------|------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------|---|---|-------------|
| Stück<br>Zahl | Artikel<br>Bezeichnung      |       |        | Artikel<br>Beschreibung            |                                                                                     | Artikel<br>Bezüge                                |   |   |             |
| 1             |                             |       |        | LCD Display ADR80                  |                                                                                     | -7B2                                             |   |   |             |
| 1             |                             |       |        | ADR80 400/230V 8A                  |                                                                                     | -7B4                                             |   |   |             |
| 1             | Tytan R DO 3x50A            |       |        | Reiter-Sicherungslasttrennschalter |                                                                                     | -1F1                                             |   |   |             |
| 1             | PKZMO-0,63                  |       |        | Motorschutzschalter                |                                                                                     | -1F2                                             |   |   |             |
| 4             | PKZMO-20                    |       |        | Motorschutzschalter                |                                                                                     | -4F1, -2F1, -2F2, -4F2                           |   |   |             |
| 5             | NHI-E-11-PKZO               |       |        | Normalhilfsschalter                |                                                                                     |                                                  |   |   |             |
| 1             | C6/3N                       |       |        | Sicherungsautomaten                |                                                                                     | -7F1                                             |   |   |             |
| 4             | C6/1N                       |       |        | Sicherungsautomaten                |                                                                                     | -8F1, -1F3, -10F1, -9F1                          |   |   |             |
| 2             | C13/1N                      |       |        | Sicherungsautomaten                |                                                                                     | -9F2, -8F2                                       |   |   |             |
| 1             | C13/3N                      |       |        | Sicherungsautomaten                |                                                                                     | -10F2                                            |   |   |             |
| 2             | Signalleuchte grün          |       |        | Signalglimmlampe grün              |                                                                                     | -5H1, -3H1                                       |   |   |             |
| 4             | Signalleuchte rot           |       |        | Signalglimmlampe rot               |                                                                                     | -7H1, -6H1, -5H2, -3H2                           |   |   |             |
| 4             | DILM32-XHI22                |       |        | Hilfsschalterbaustein              |                                                                                     |                                                  |   |   |             |
| 2             | TM16+/E/230Vac              |       |        | Multifunktion Zeitrelais           |                                                                                     | -3K4, -5K4                                       |   |   |             |
| 3             | Sockel 4polig               |       |        | Sockel für Minitur Relais 4polig   |                                                                                     |                                                  |   |   |             |
| 4             | DILM32-10(230V50HZ)         |       |        | Schütz                             |                                                                                     | -5K1, -3K2, -5K2, -3K1                           |   |   |             |
| 2             | TM16 E 24ac/dc\230Vac       |       |        | Multifunktion Zeitrelais           |                                                                                     | -5K3, -3K3                                       |   |   |             |
| 3             | Relais4polig230VAC          |       |        | Miniatur - Relais 4polig           |                                                                                     | -6K1, -2K1, -4K1                                 |   |   |             |
| 1             | DILM9-10(230V50HZ)          |       |        | Schütz                             |                                                                                     | -7K1                                             |   |   |             |
| 1             | DILM32-XHI02                |       |        | Hilfsschalterbaustein              |                                                                                     |                                                  |   |   |             |
| 2             | R20-20_230                  |       |        | Kleinschütz                        |                                                                                     | -9K1, -8K1                                       |   |   |             |
| 1             | R25-40_230                  |       |        | Kleinschütz                        |                                                                                     | -10K1                                            |   |   |             |
| 1             | WS 101030 B=1000 H=1000 T=3 |       |        | Wandschrank IP 55                  |                                                                                     | -0N1                                             |   |   |             |
| 2             | DILM95-XSPR240              |       |        | RC-Löschglied                      |                                                                                     | -5N1, -3N1                                       |   |   |             |
| 2             | DILM32-XSPR240              |       |        | RC-Löschglied                      |                                                                                     | -5N2, -3N2                                       |   |   |             |
| 1             |                             |       |        | Dixell XC440C 12Vac/dc             |                                                                                     | -6N1                                             |   |   |             |
| 1             | DILM12-XSPR240              |       |        | RC-Löschglied                      |                                                                                     | -7N1                                             |   |   |             |
| 3             |                             |       |        | Dixell XR60CX 12Vac/dc             |                                                                                     | -10N1, -9N1, -8N1                                |   |   |             |
| 1             | PN1-125                     |       |        | Hauptschalter                      |                                                                                     | -1Q1                                             |   |   |             |
| 1             | 120 Ohm                     |       |        | Widerstand                         |                                                                                     | -11R1                                            |   |   |             |
| 2             | M10HEU1                     |       |        | Umschalter 1pol. 1-0-2             |                                                                                     | -5S1, -3S1                                       |   |   |             |
| 4             |                             |       |        | Ausschalter 1pol. 0-1              |                                                                                     | -9S1, -8S1, -10S1, -6S1                          |   |   |             |
| 1             |                             |       |        | Trafo 400VAC 230VAC 160VA          |                                                                                     | -1T1                                             |   |   |             |
|               |                             |       | Datum  | 25.11.14                           |  | Verbund +Kühlstellen<br>Rössler<br>Materialliste |   |   | Zeichn.Nr.: |
|               |                             |       | Bearb. | Hättinger F.                       |                                                                                     |                                                  |   |   | 422/14      |
|               |                             |       | Gepr.  |                                    |                                                                                     |                                                  |   |   | Blatt 1     |
| Zust.         | Änderung                    | Datum | Name   | Norm                               |                                                                                     |                                                  |   |   | von 2 Bl.   |

[illegible]