

Vimatic Automation

Alsikevej 15
 Dk-8900 Randers
 Tel: 86 40 10 88
 Fax: 86 40 14 18
 E-mail: Info@Vimatic.dk

Kund : Nibe AB, markaryd
 Anlægningsbeteckning : Tunneltvätt
 Ritningsnummer : 22-1965
 Leverantör : Viverk AB

Slutkund : Nibe AB, markaryd

CAD-program : Eplan

Styresystem : S7-1515

Matning : 3x400VAC+N+PE
 Strömförbrukning : 205A
 I_nk : 10kA
 Max.säkring : 250A

Påbörjat : 17. Maj. 2022

Reviderat : 10. Jun. 2024 TMH

Sista sidan : 141

Antal sidor : 88

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| Start datum | 17. Maj. 2022 |
| Sida rev. | 24. Jun. 2022 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

**Vimatic
Engineering**

Alsikevej 15
 dk-8900 Randers
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Nibe AB, markaryd

Eplan

Tunneltvätt

Viverk AB

Forsida

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+UH1

22-1965

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| B1. | 1 |
| 141 | B1. |

Innehållsförteckning

WUPJ003K 22. 04. 1996

| Sida | Sidabeskrivning | Datum | Konstr. |
|----------|-------------------------------|---------------|---------|
| +UH1/1 | Forsida | 24. Jun. 2022 | TMH |
| +UH1/2 | Innehållsförteckning | 10. Jun. 2024 | TMH |
| +UH1/2A | Innehållsförteckning | 10. Jun. 2024 | TMH |
| +UH1/2B | Innehållsförteckning | 10. Jun. 2024 | TMH |
| +UH1/4 | Installation | 17. Maj. 2022 | TMH |
| +UH1/5 | Lay-out Main cabinet -UH1 | 03. Apr. 2024 | TMH |
| +UH1/8 | Layout Profinet | 04. Apr. 2024 | TMH |
| +UH1/10 | Huvudkrets | 29. Apr. 2024 | TMH |
| +UH1/12 | Belysning El-Skåp | 10. Jun. 2024 | TMH |
| +UH1/14 | Main pumpar och Ewan banor | 10. Jun. 2024 | TMH |
| +UH1/15 | Main Rotation spolramp 1->4 | 10. Jun. 2024 | TMH |
| +UH1/21 | Main Evakuerings fläkt | 10. Jun. 2024 | TMH |
| +UH1/22 | Main Avblåsnings fläkt | 10. Jun. 2024 | TMH |
| +UH1/23 | Main Transportör | 10. Jun. 2024 | TMH |
| +UH1/40 | Main Supply 24VDC | 10. Jun. 2024 | TMH |
| +UH1/41 | Main Oljeseparator cir.pump | 10. Jun. 2024 | TMH |
| +UH1/50 | Main Luft värme | 10. Jun. 2024 | TMH |
| +UH1/51 | Main Tank värme | 10. Jun. 2024 | TMH |
| +UH1/60 | Safety circuit Emergency stop | 10. Jun. 2024 | TMH |
| +UH1/61 | Safety circuit Emergency stop | 10. Jun. 2024 | TMH |
| +UH1/62 | Safety circuit Service doors | 10. Jun. 2024 | TMH |
| +UH1/63 | Safety circuit Service doors | 10. Jun. 2024 | TMH |
| +UH1/70 | 24VDC | 10. Jun. 2024 | TMH |
| +UH1/71 | Säkerhets 24VDC | 10. Jun. 2024 | TMH |
| +UH1/72 | 0VDC | 10. Jun. 2024 | TMH |
| +UH1/73 | 24VDC supply -UC10 | 10. Jun. 2024 | TMH |
| +UH1/75 | Op-panel KTP700 | 10. Jun. 2024 | TMH |
| +UH1/96 | Plc layout S7-1200 | 10. Jun. 2024 | TMH |
| +UH1/98 | Supply CPU | 10. Jun. 2024 | TMH |
| +UH1/101 | PLC | 10. Jun. 2024 | TMH |

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Tunneltvätt

Innehållsförteckning

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141 B1.

Innehållsförteckning

WUPJ003K 22. 04. 1996

| Sida | Sidabeskrivning | Datum | Konstr. |
|----------|---------------------------|---------------|---------|
| +UH1/102 | INPUT I4.0-I4.7 | 10. Jun. 2024 | TMH |
| +UH1/103 | INPUT I5.0-I5.4 | 10. Jun. 2024 | TMH |
| +UH1/104 | OUTPUT Q20.0-Q20.4 | 10. Jun. 2024 | TMH |
| +UH1/105 | OUTPUT Q20.5-Q21.1 | 10. Jun. 2024 | TMH |
| +UH1/106 | INPUT I6.0-6.7 | 10. Jun. 2024 | TMH |
| +UH1/107 | INPUT I7.0-I7.7 | 10. Jun. 2024 | TMH |
| +UH1/108 | OUTPUT Q22.0-Q22.7 | 10. Jun. 2024 | TMH |
| +UH1/109 | OUTPUT Q23.0-Q23.7 | 10. Jun. 2024 | TMH |
| +UH1/110 | INPUT I8.0-8.7 | 10. Jun. 2024 | TMH |
| +UH1/111 | INPUT I9.0-I9.7 | 10. Jun. 2024 | TMH |
| +UH1/112 | OUTPUT Q24.0-Q24.7 | 10. Jun. 2024 | TMH |
| +UH1/113 | OUTPUT Q25.0-Q25.7 | 10. Jun. 2024 | TMH |
| +UH1/120 | SAFETY INPUT I50.0-I50.7 | 10. Jun. 2024 | TMH |
| +UH1/121 | SAFETY INPUT I51.0-I51.7 | 10. Jun. 2024 | TMH |
| +UH1/122 | SAFETY INPUT I65.0-I65.7 | 10. Jun. 2024 | TMH |
| +UH1/123 | SAFETY INPUT I66.0-I66.7 | 10. Jun. 2024 | TMH |
| +UH1/125 | SAFETY OUTPUT Q80.0-Q80.7 | 10. Jun. 2024 | TMH |
| +UH1/127 | -TA60 Frekvens Tvättpump | 04. Jun. 2024 | TMH |
| +UH1/128 | -TA61 Frekvens Sköljpump | 04. Jun. 2024 | TMH |
| +UH1/129 | +UH1-TA62 | 04. Jun. 2024 | TMH |
| +UH1/130 | +UH1-UC10 | 04. Jun. 2024 | TMH |
| +UH1/131 | +UH1-UC10 | 04. Jun. 2024 | TMH |
| +UH1/132 | X7 Ait unit | 04. Jun. 2024 | TMH |
| +UH1/133 | +UH1-XD1 | 04. Jun. 2024 | TMH |
| +UH1/134 | +UH1-XD1 | 04. Jun. 2024 | TMH |
| +UH1/135 | XD2 Heat | 04. Jun. 2024 | TMH |
| +UH1/136 | XD3 Safety | 04. Jun. 2024 | TMH |
| +UH1/137 | XD3 Safety | 04. Jun. 2024 | TMH |
| +UH1/138 | XD4 24VDC supply | 04. Jun. 2024 | TMH |
| +UH1/139 | XD5 I/O | 04. Jun. 2024 | TMH |

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Innehållsförteckning

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| Sida | Sidabeskrivning | Datum | Konstr. |
|-------------|---|---------------|---------|
| +UH1/140 | XD5 I/O | 04. Jun. 2024 | TMH |
| +UH1/141 | +UH1-XD1.1 | 04. Jun. 2024 | TMH |
| -UC10/8 | Layout box +UC10 | 10. Jun. 2024 | TMH |
| +UC10/200 | Tunnel -UC10: Huvudkrets Profinetmodul | 10. Jun. 2024 | TMH |
| +UC10/201 | Tunnel -UC10: Manöverkrets Ingångar I170.1->I170.7 | 10. Jun. 2024 | TMH |
| +UC10/202 | Tunnel -UC10: Manöverkrets Ingångar I171.0->I171.7 | 10. Jun. 2024 | TMH |
| +UC10/203 | Tunnel -UC10: Manöverkrets Ingångar I172.0->I172.7 | 10. Jun. 2024 | TMH |
| +UC10/210 | Tunnel -UC10: Manöverkrets Utgångar Q270.0->Q270.7 | 10. Jun. 2024 | TMH |
| +UC10/216 | Tunnel -UC10: Manöverkrets PT100 | 10. Jun. 2024 | TMH |
| +UC10/217 | Tunnel -UC10: Manöverkrets PT100 | 10. Jun. 2024 | TMH |
| +UC10/220 | Tunnel -UC10: Diff. tryck mätare filter tvättpump 1 | 10. Jun. 2024 | TMH |
| +UC10/221 | Tunnel -UC10: Diff. tryck mätare filter tvättpump 2 | 10. Jun. 2024 | TMH |
| +UC10/222 | Tunnel -UC10: Diff. tryck mätare filter sköljpump 1 | 10. Jun. 2024 | TMH |
| +UC10/223 | Tunnel -UC10: Diff. tryck mätare filter sköljpump 2 | 10. Jun. 2024 | TMH |
| +UC10/224 | -UC10 Kopplingslåda tunnel | 04. Jun. 2024 | TMH |
| +UC10/225 | -UC10 Kopplingslåda tunnel | 04. Jun. 2024 | TMH |
| +UC10/226 | -UC10 Kopplingslåda tunnel | 04. Jun. 2024 | TMH |
| +UC10/227 | +UC10-UC101 | 04. Jun. 2024 | TMH |
| CKL ISTA/1 | Stycklista | 10. Jun. 2024 | TMH |
| CKL ISTA/2 | Stycklista | 10. Jun. 2024 | TMH |
| CKL ISTA/3 | Stycklista | 10. Jun. 2024 | TMH |
| CKL ISTA/4 | Stycklista | 10. Jun. 2024 | TMH |
| CKL ISTA/5 | Stycklista | 10. Jun. 2024 | TMH |
| CKL ISTA/6 | Stycklista | 10. Jun. 2024 | TMH |
| CKL ISTA/7 | Stycklista | 10. Jun. 2024 | TMH |
| CKL ISTA/8 | Stycklista | 10. Jun. 2024 | TMH |
| CKL ISTA/9 | Stycklista | 10. Jun. 2024 | TMH |
| CKL ISTA/10 | Stycklista | 10. Jun. 2024 | TMH |
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Färger för kopplingstråd:

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| Kraftkrets 230-400VAC Neutralledare, Märkning N. | Svart, N=Ljusblå |
| Skyddsledare PE | Gul/Grön |
| Skärm | Transperent |
| Styrkrets AC (Efter transformator) | Röd |
| Styrkrets DC | Mörk Blå |
| Digitala / analoga signaler | Mörk Blå |
| Extern styrkrets AC/DC | Orange |

HALOGEN FRI 90`C Wire

HALOGEN FRI

HALOGEN FRI

HALOGEN FRI

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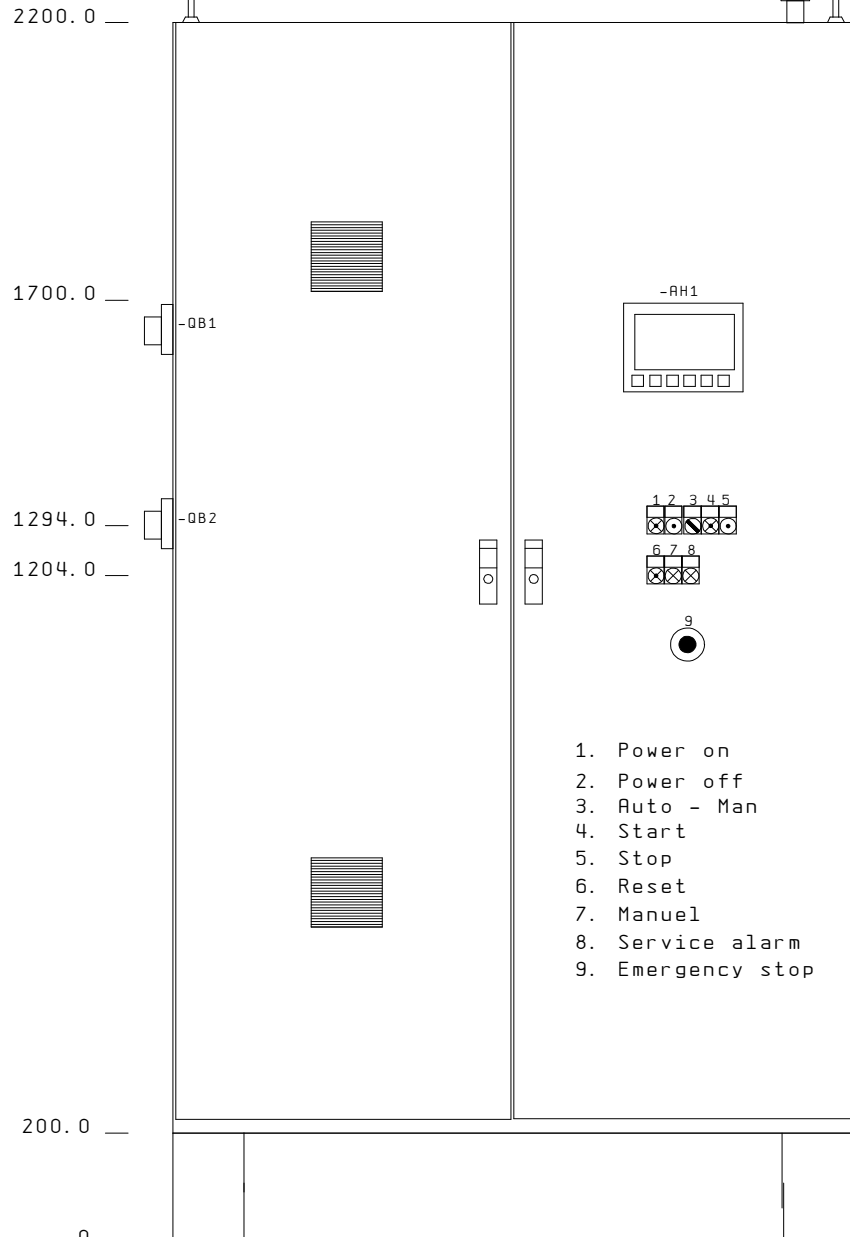
Nibe AB, markaryd

Tunneltvätt

Installation

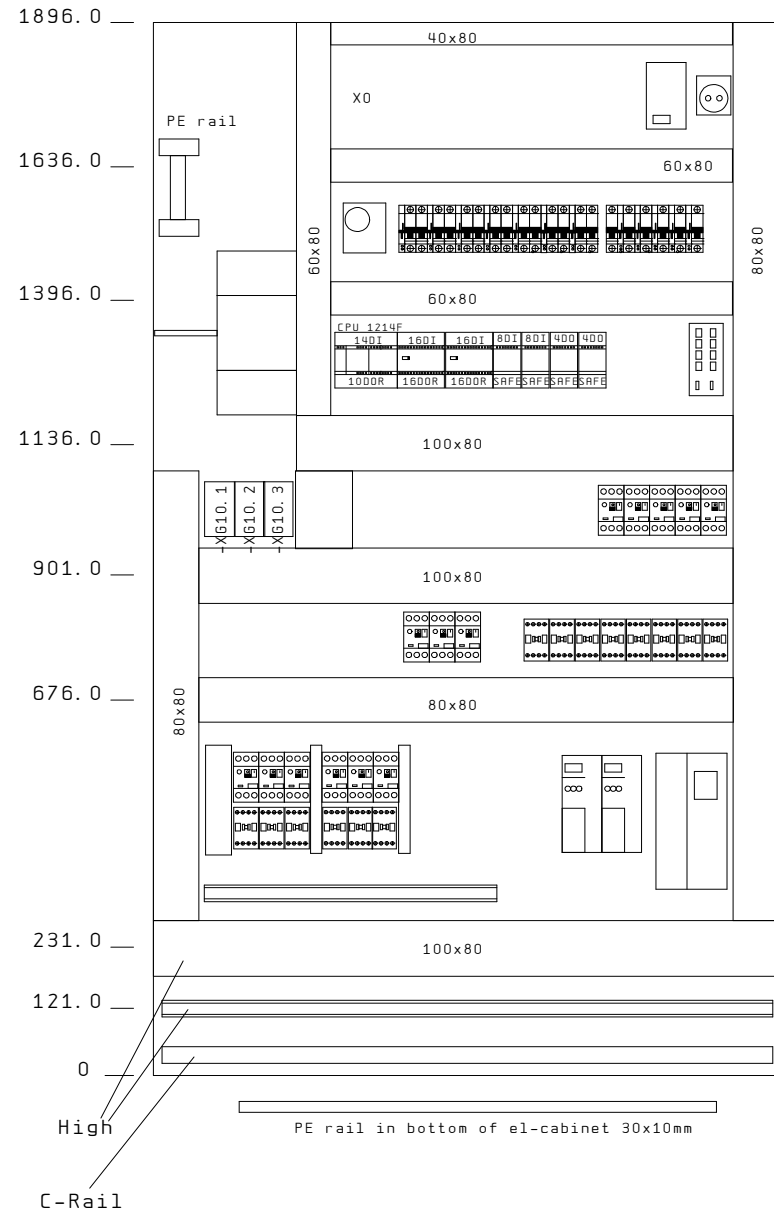
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| 22-1965 | Bl. 4 |
| | 141 Bl. |

Front
1200.0

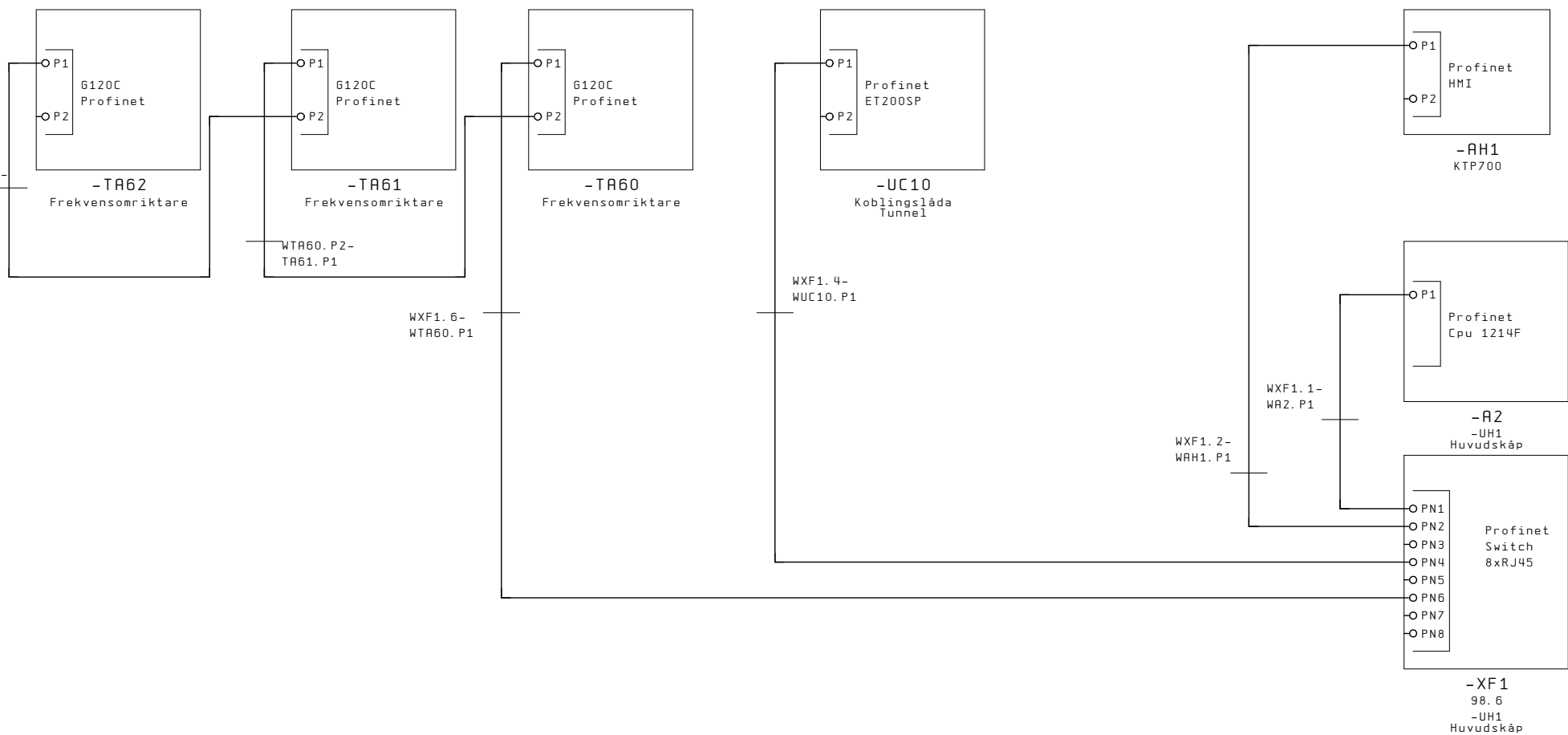


1. Power on
2. Power off
3. Auto - Man
4. Start
5. Stop
6. Reset
7. Manuel
8. Service alarm
9. Emergency stop

1099.0



Cabinet :
VX8205.000



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Tunneltvätt

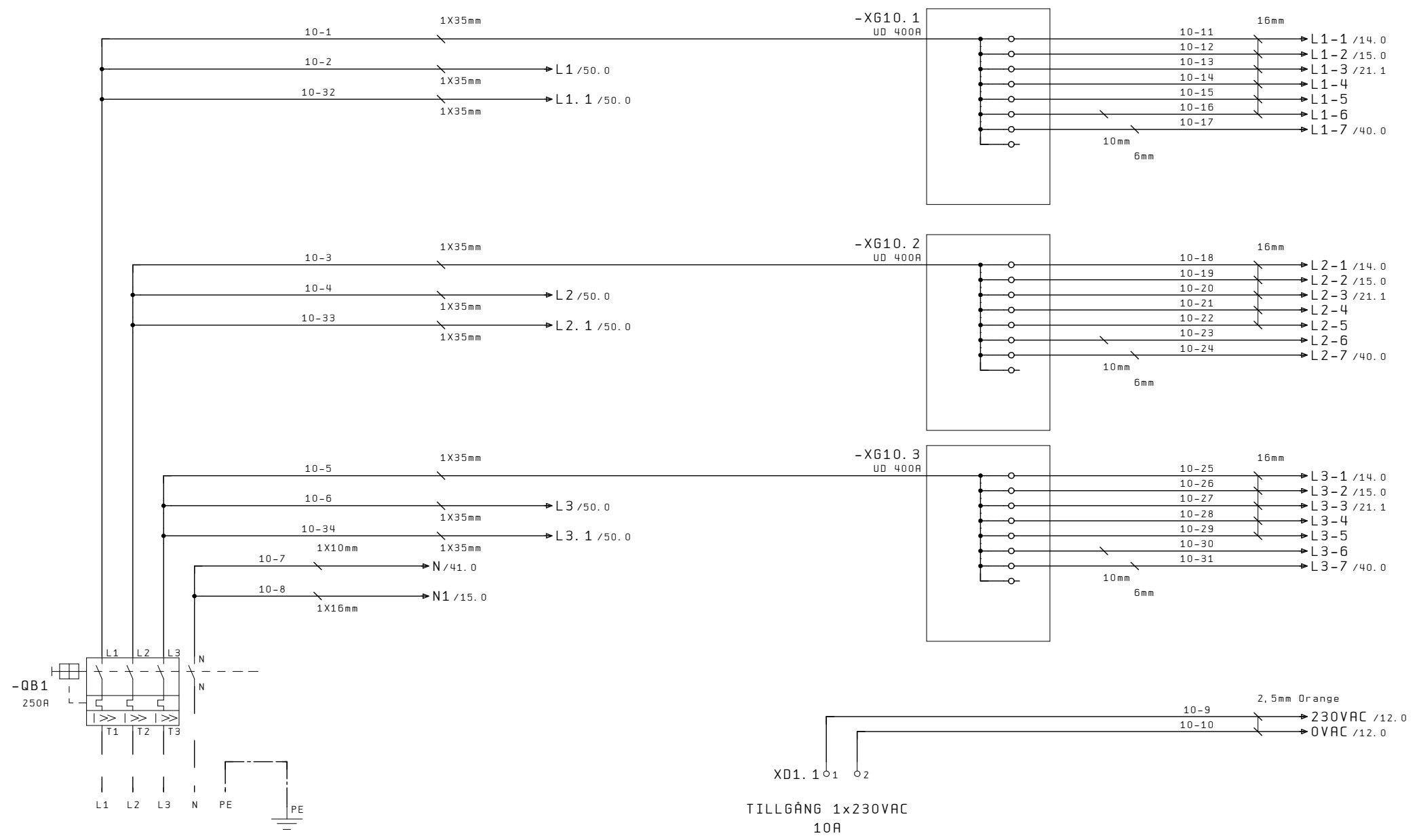
Layout Profinet

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TILLGÅNG 3x400VAC+N+PE
EL-CABINET UH1

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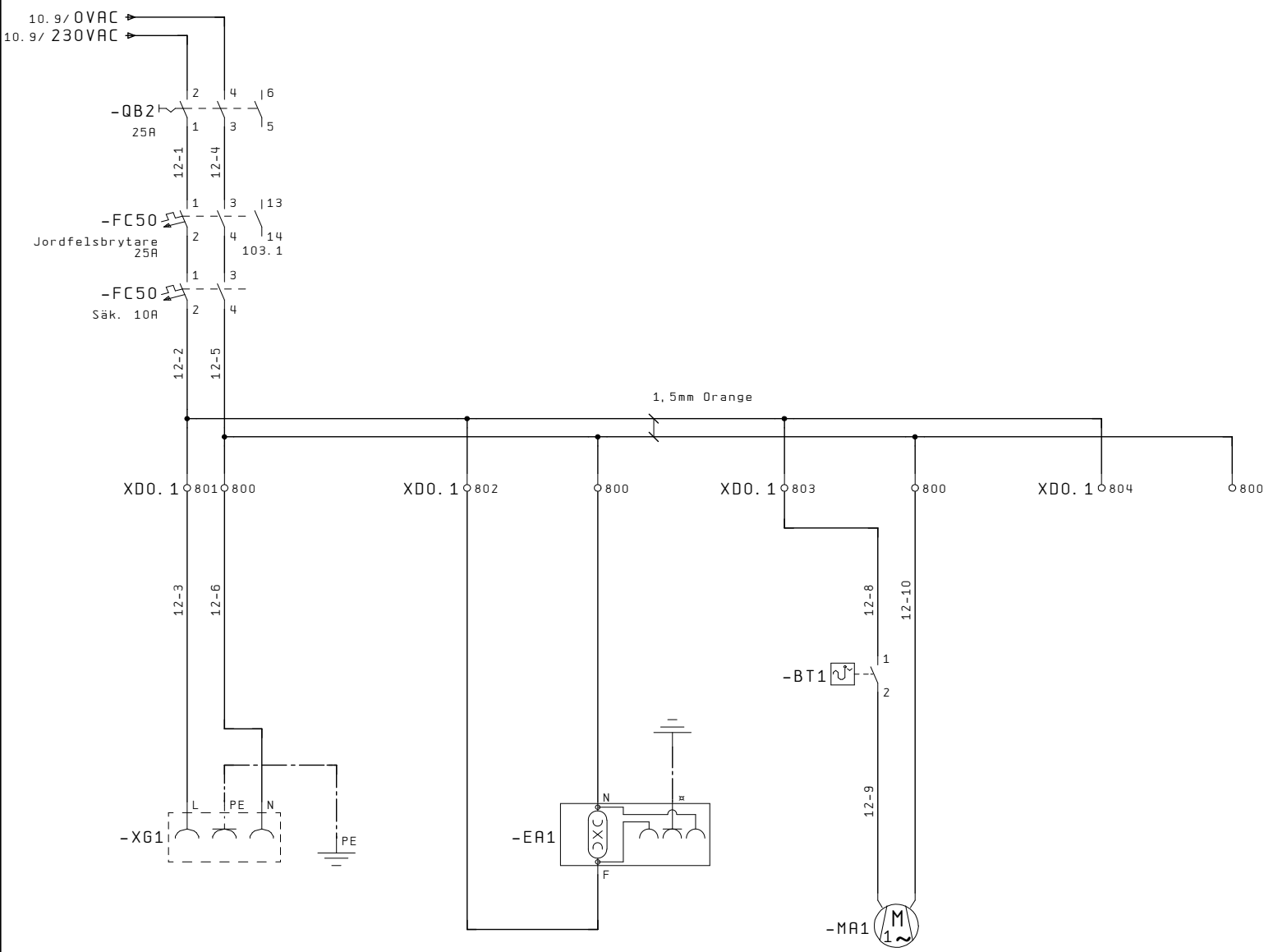
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| Vimatic Automation | Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 |
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| Nibe AB, markaryd |
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| Huvudkrets |
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Programeringskontakt 1
el-skåp

Skåpslampa

Ventilator

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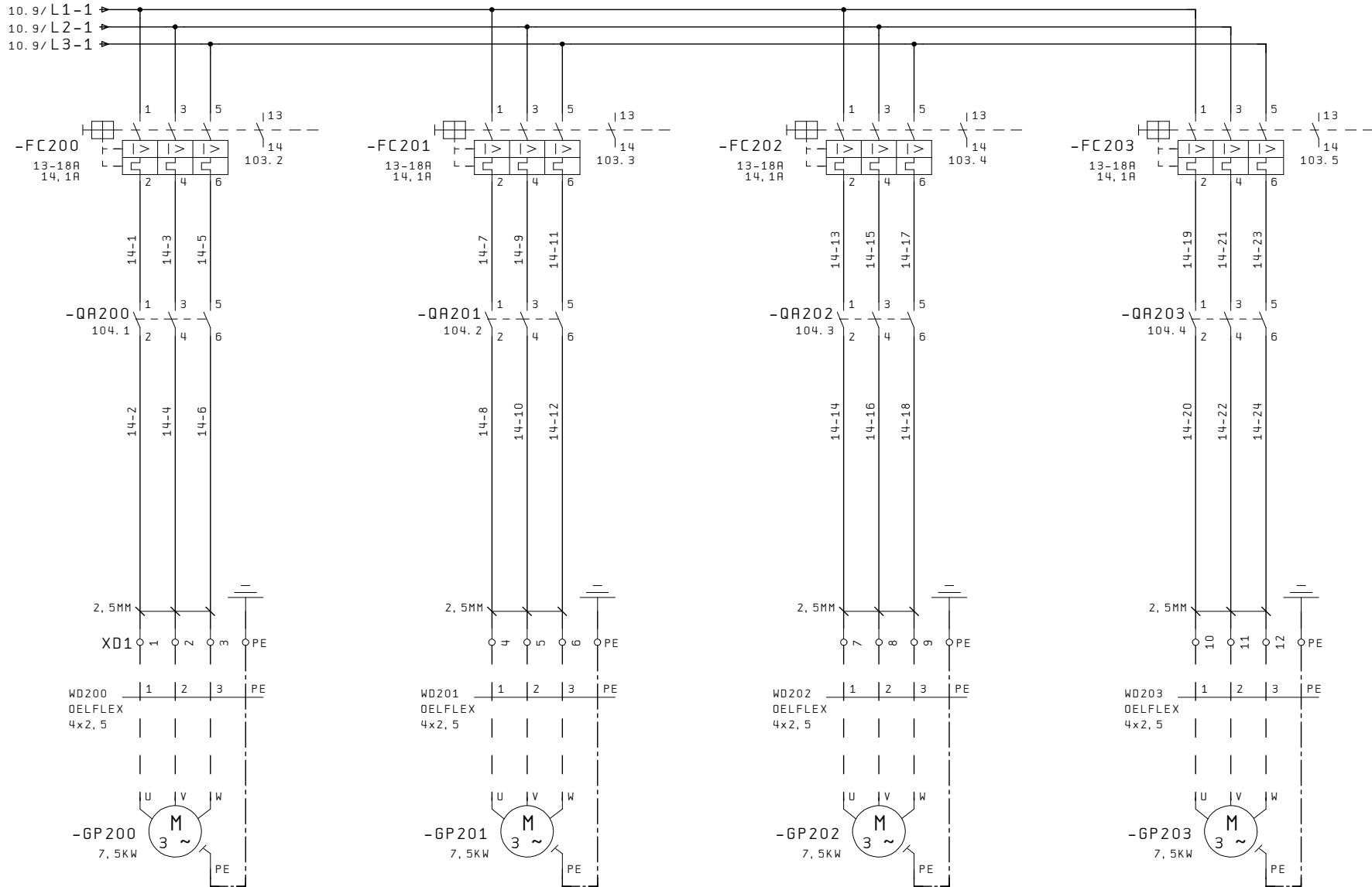
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| Vimatic Automation | Alsikevej 15 |
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| Belysning E1-Skåp |
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Tvättump 1

Tvättump 2

Skölpump 1

Skölpump 2

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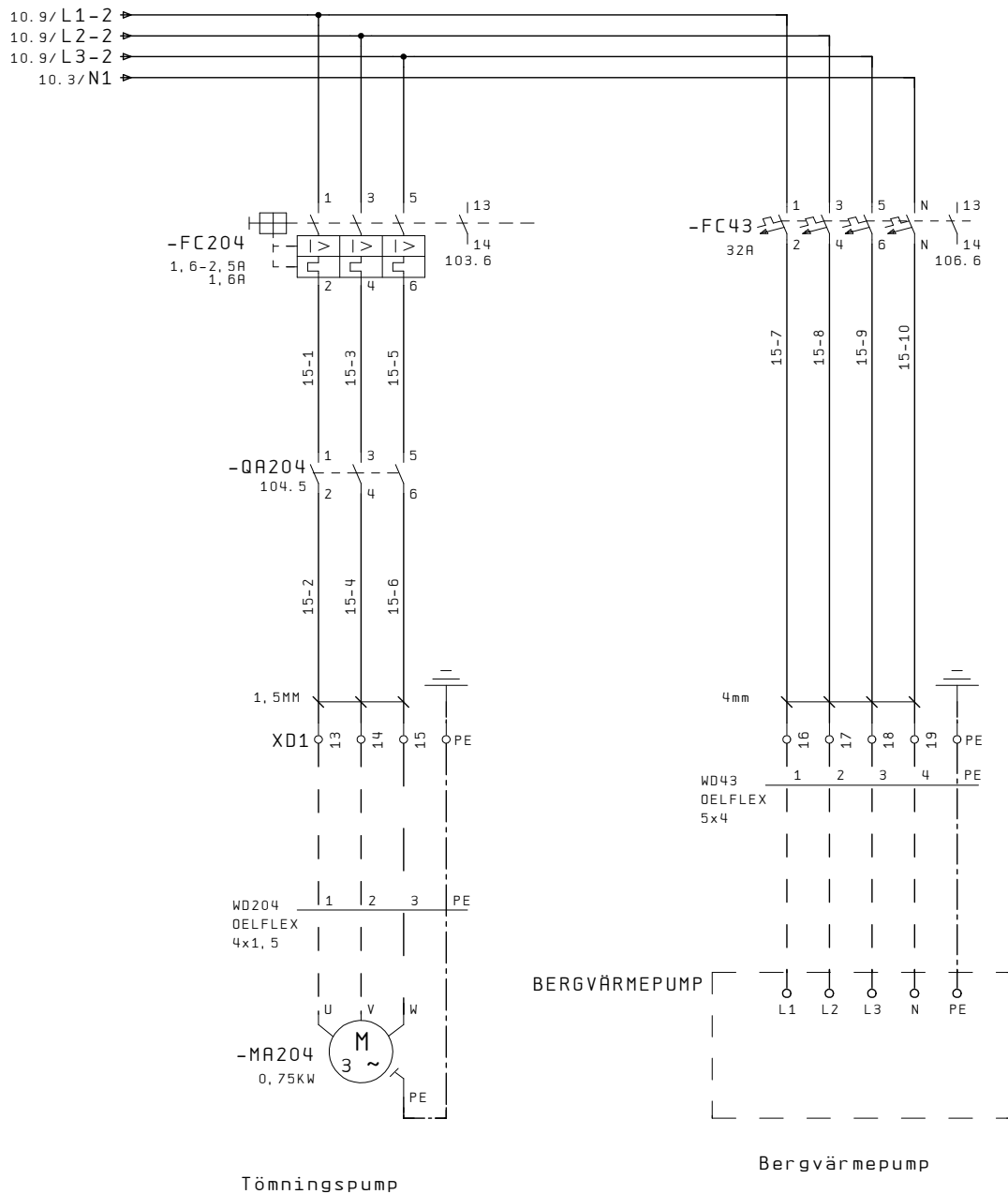
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Tunneltvätt

Main pumpar och Ewan banor

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| 22-1965 | Pg. 14 |
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Tönningspump

Bergvärmepump

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| Project start | 17. Maj. 2022 |
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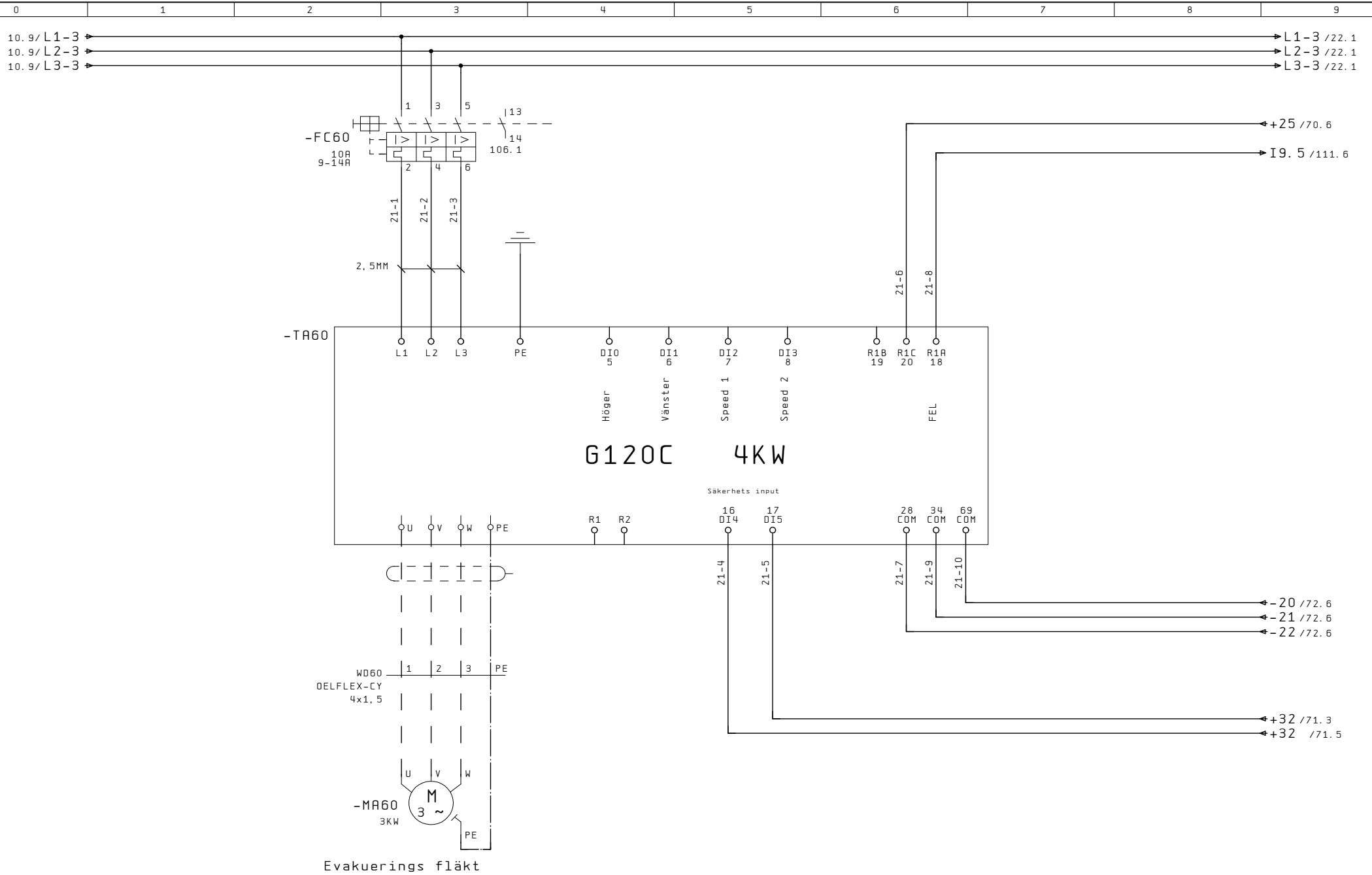
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Tunneltvätt

Main
 Rotation spolramp 1->4

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| 22-1965 | Pg. 15 |
| | 141 Pgs. |



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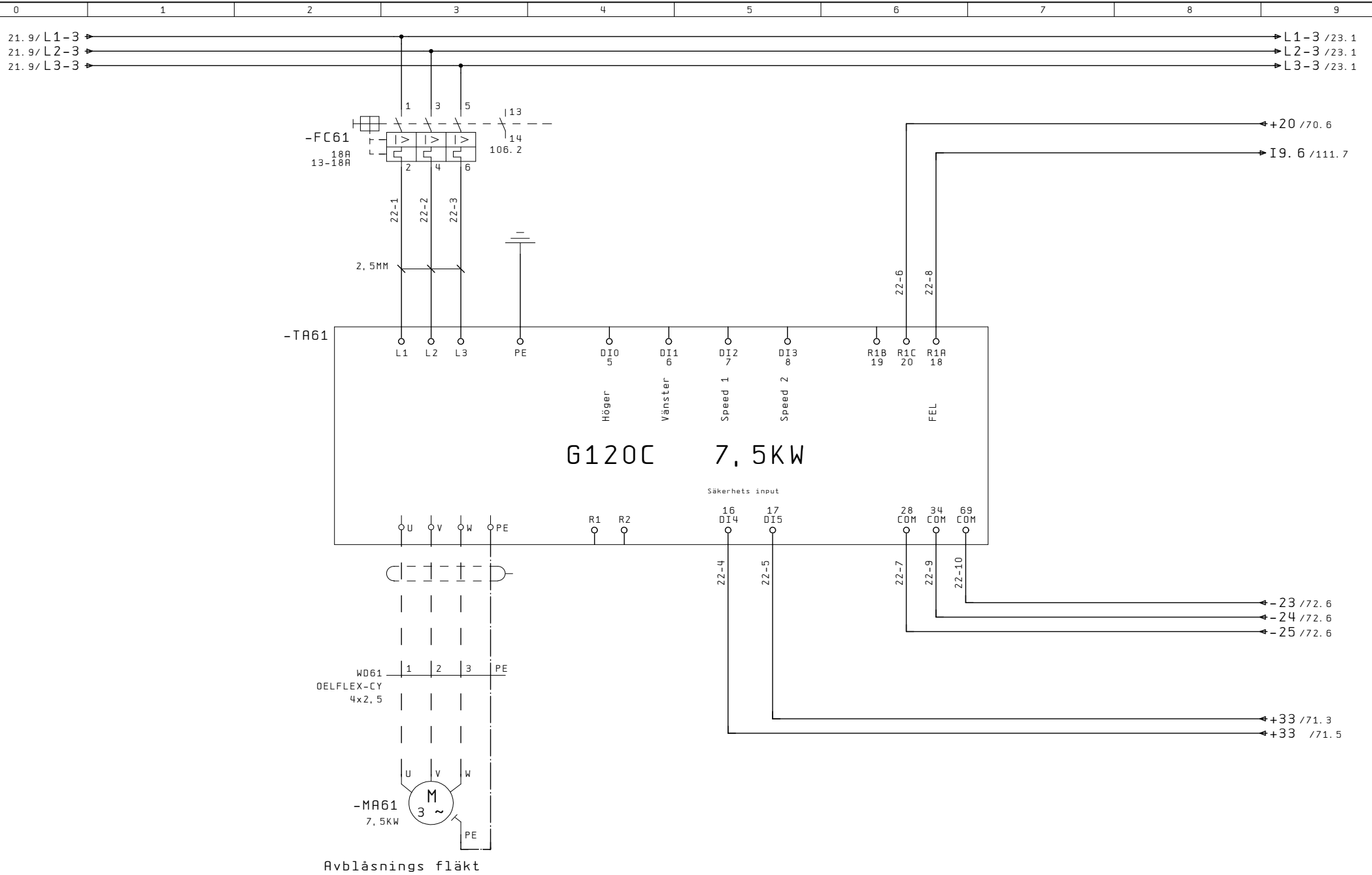
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Tunneltvätt

Main Evakuerings fläkt

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| 22-1965 | Pg. 21 |
| 141 | Pgs. 21 |



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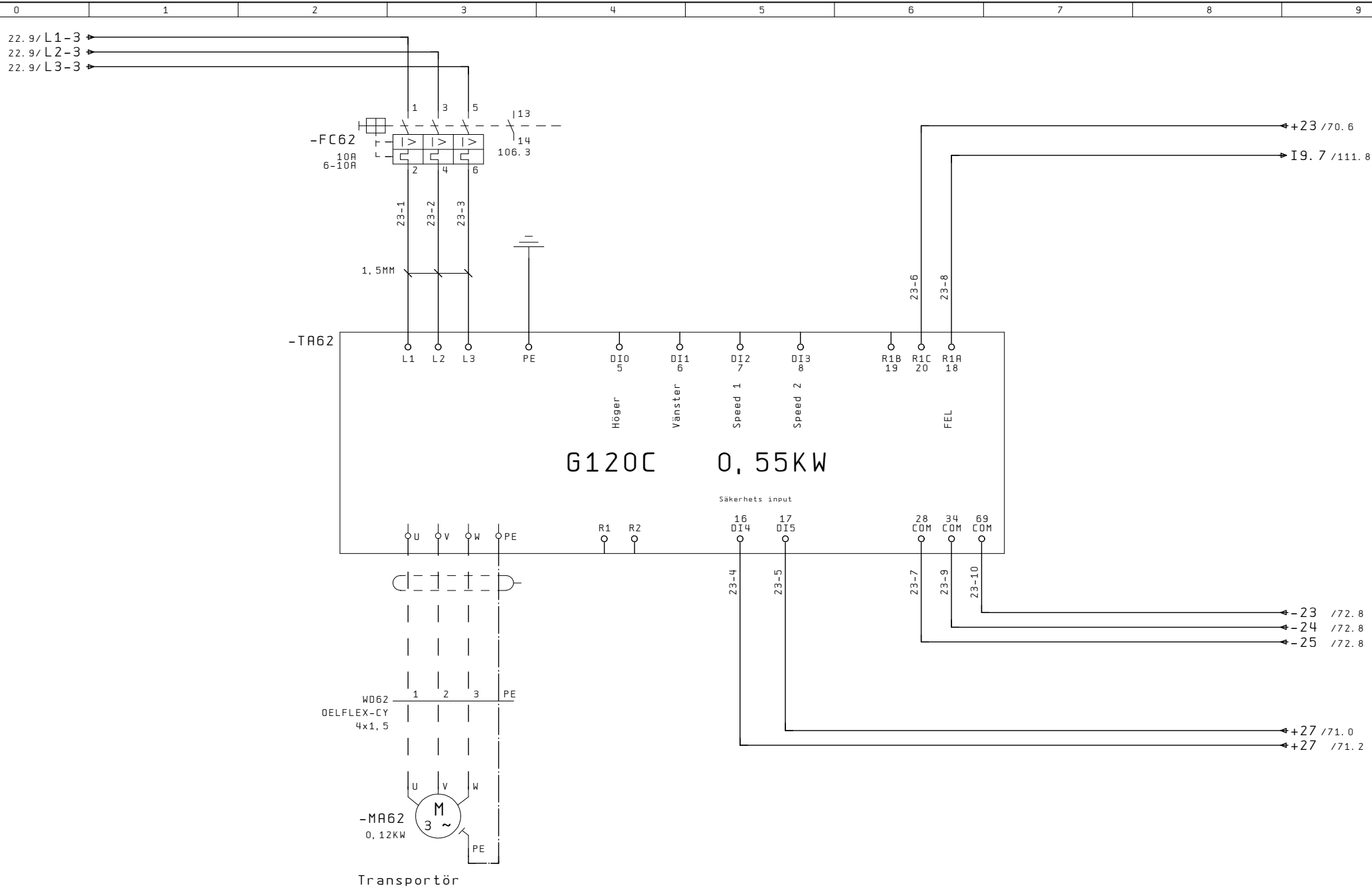
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Tunneltvätt

Main
 Avblåsnings fläkt

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| 22-1965 | Pg. 22 |
| | 141 Pgs. |



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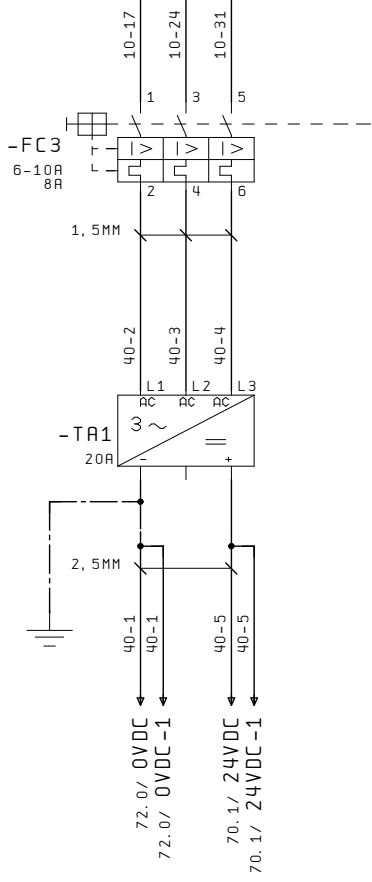
Tunneltvätt

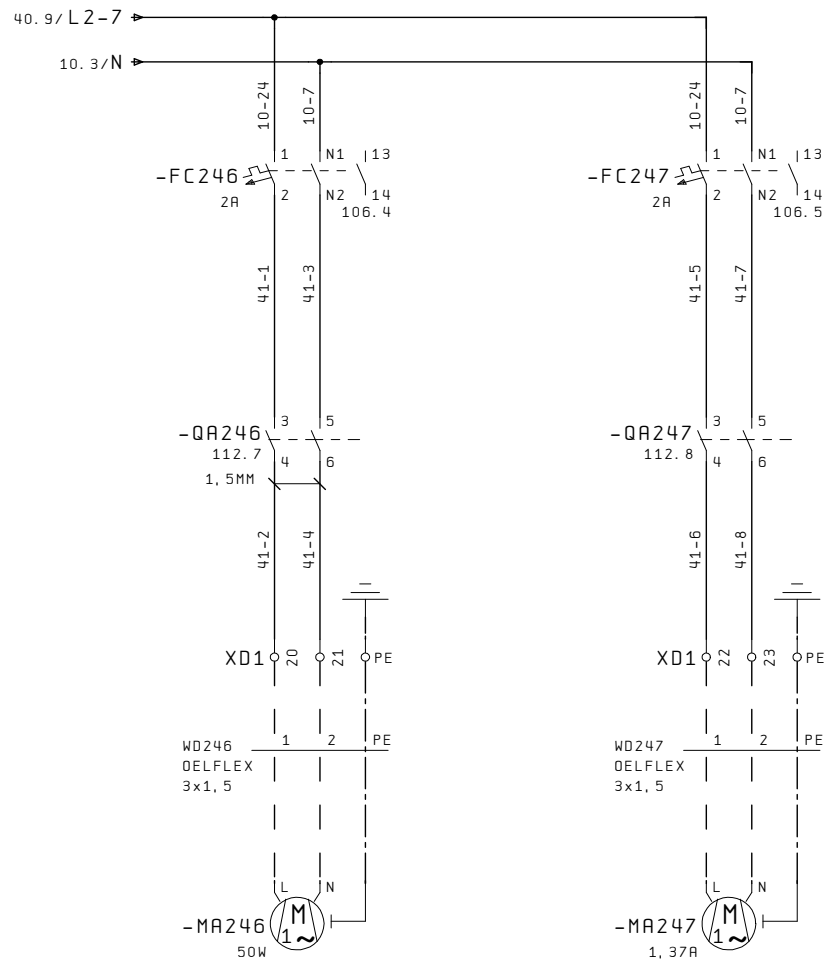
Main
Transportör

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| | 141 Pgs. |

10.9/L1-7
 10.9/L2-7
 10.9/L3-7

L2-7 / 41.0





Oljeseparator tvätt

Cirkulationspump bergvärme

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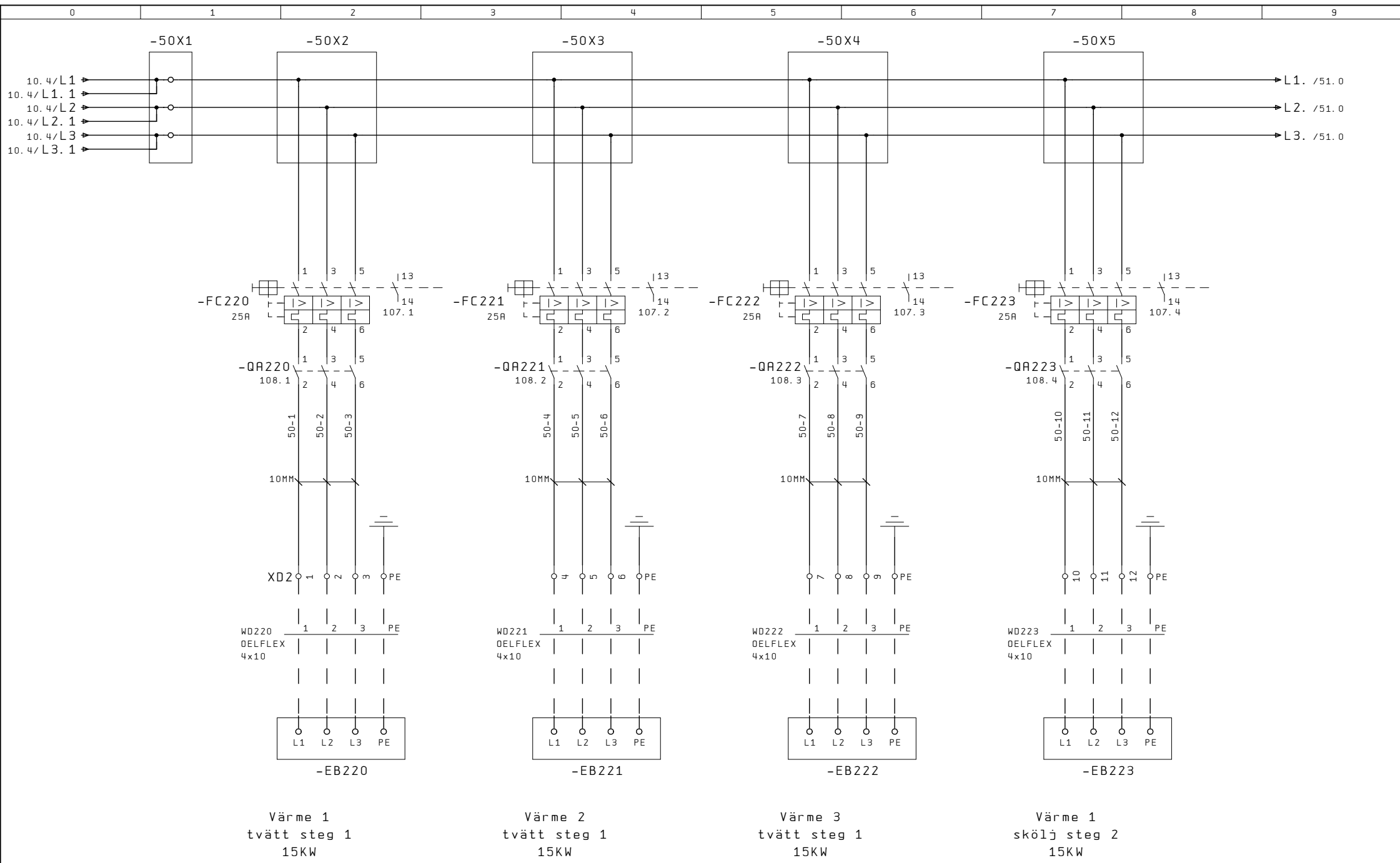
Alsikevej 15
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Tunneltvätt

Main
Oljeseparator
cir. pump

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| | 141 Pgs. |



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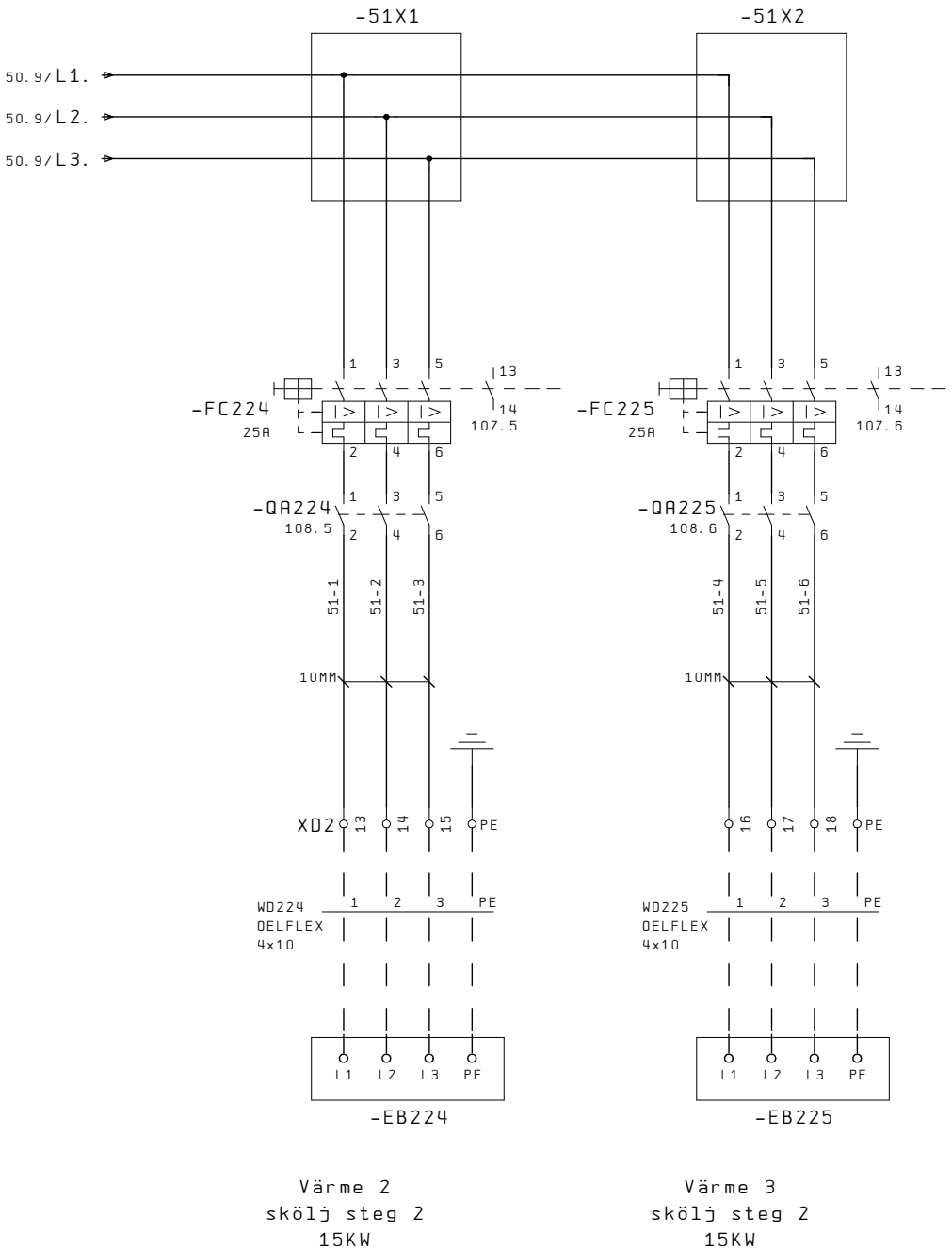
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Main
 Luft värme

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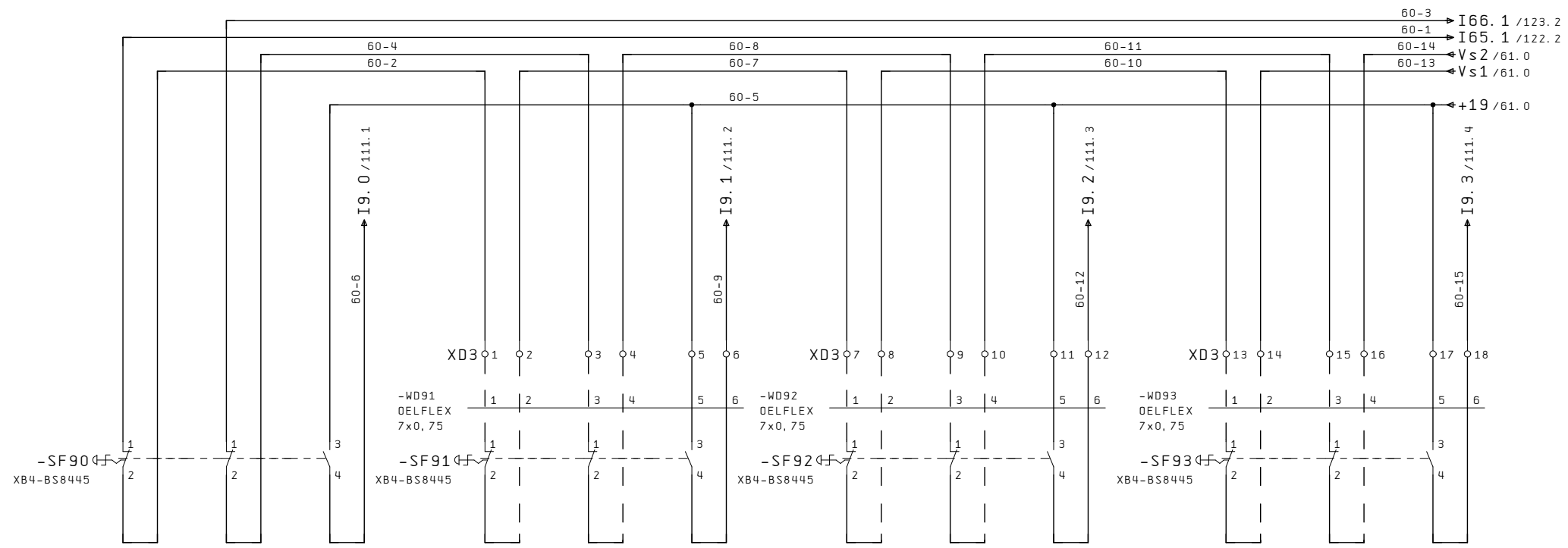
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Tunneltvätt

Main Tank värme

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Emergency stop 1
el-cabinet
-UH1

Emergency stop
2

Emergency stop
3

Emergency stop
4

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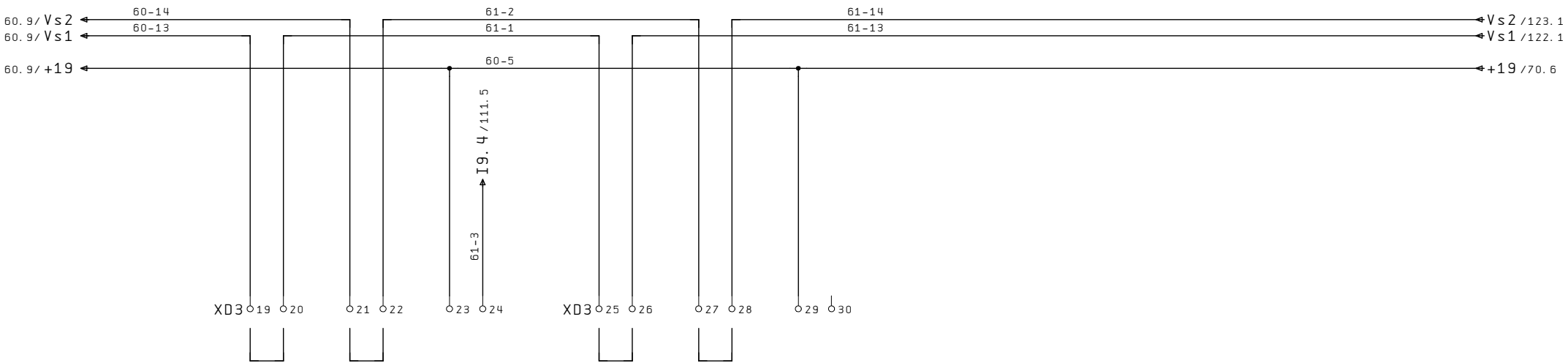
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Tunneltvätt

Safety circuit
Emergency stop

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Reserv
Emergency stop

Reserv
Emergency stop

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vimatic
AUTOMATION

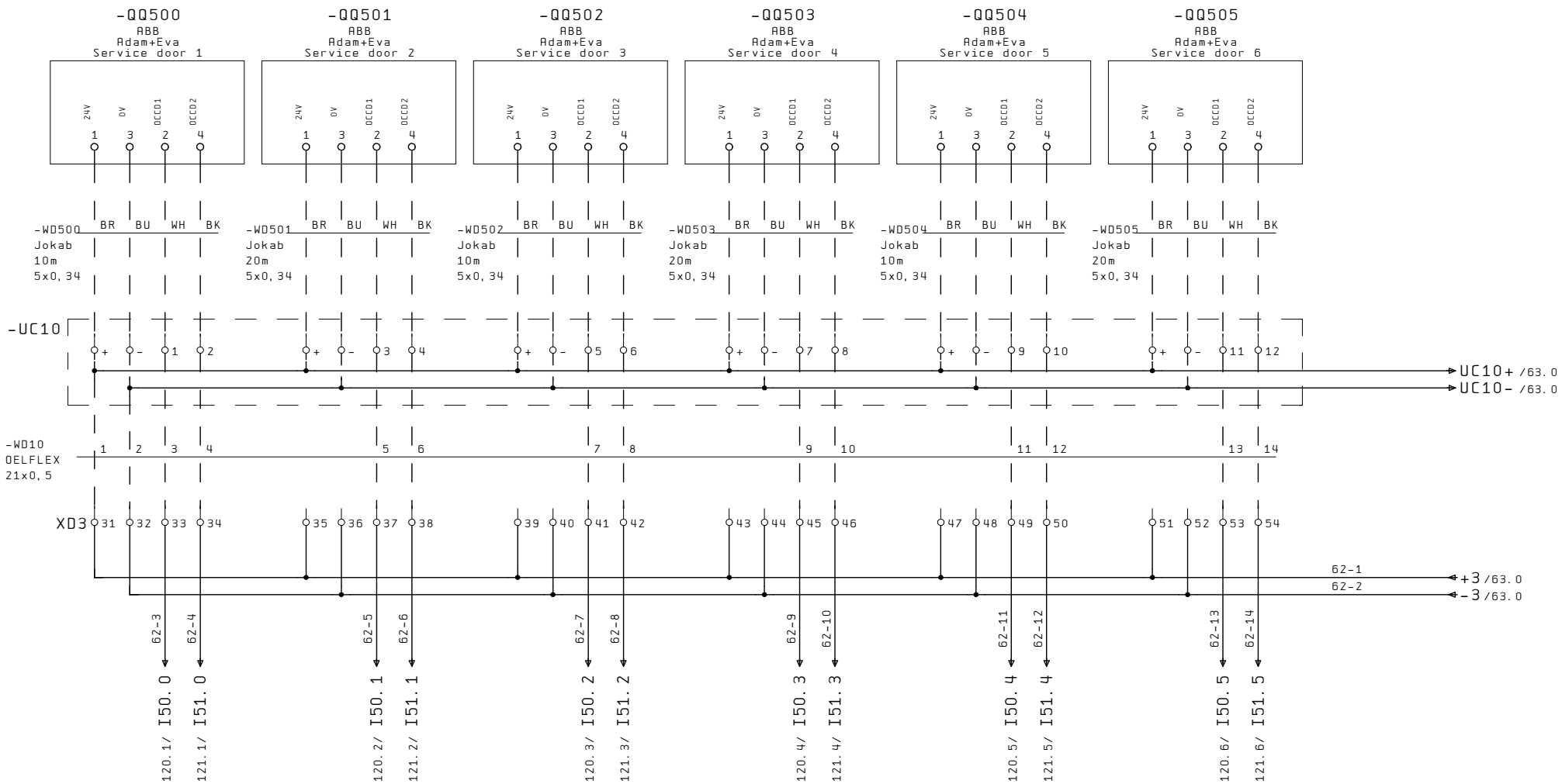
Alsikevej 15
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Tunneltvätt

Safety circuit
Emergency stop

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| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |



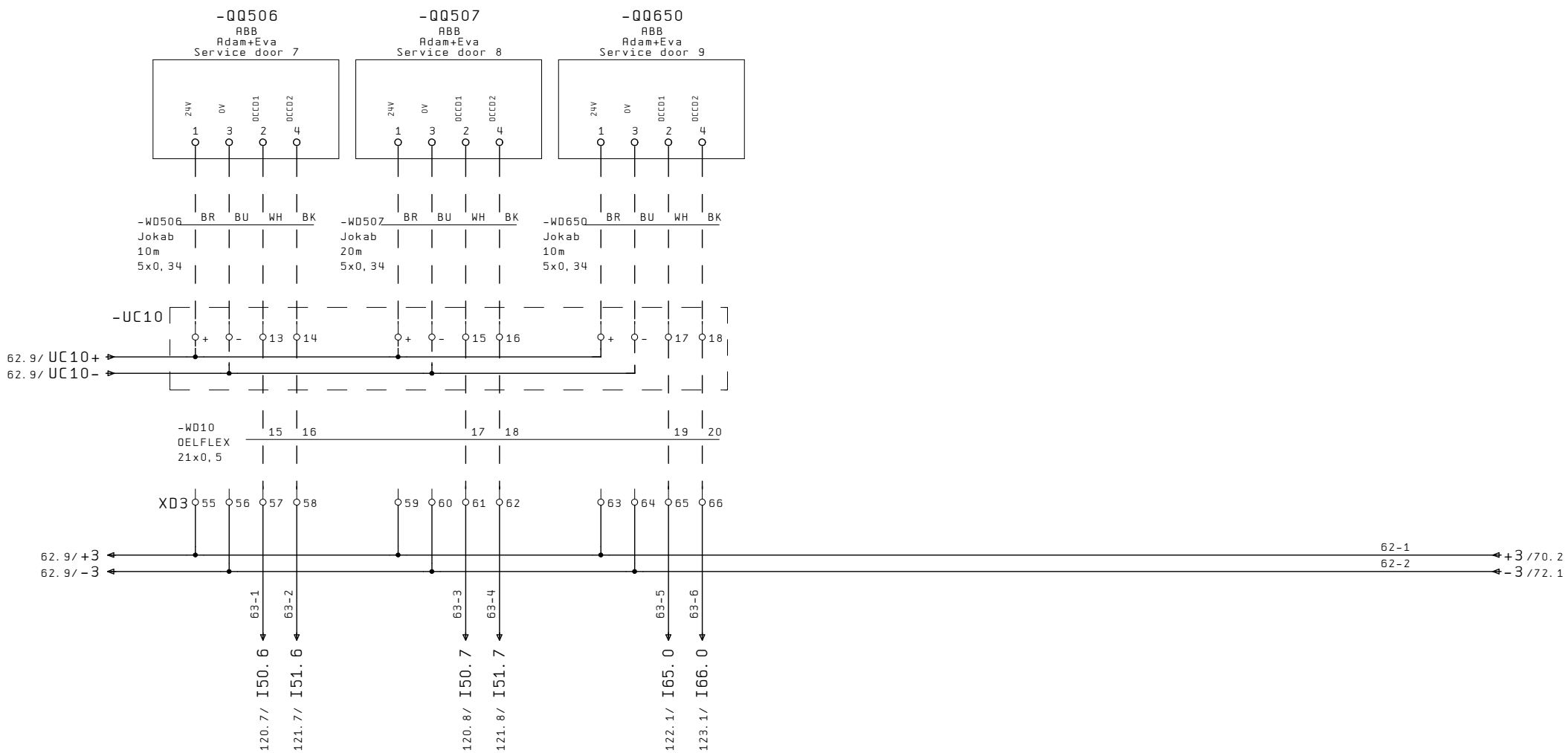
Alsikevej 15
dk-8920 Randers NV
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

Safety circuit
Service doors

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 62 |
| | 141 Pgs. |



| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

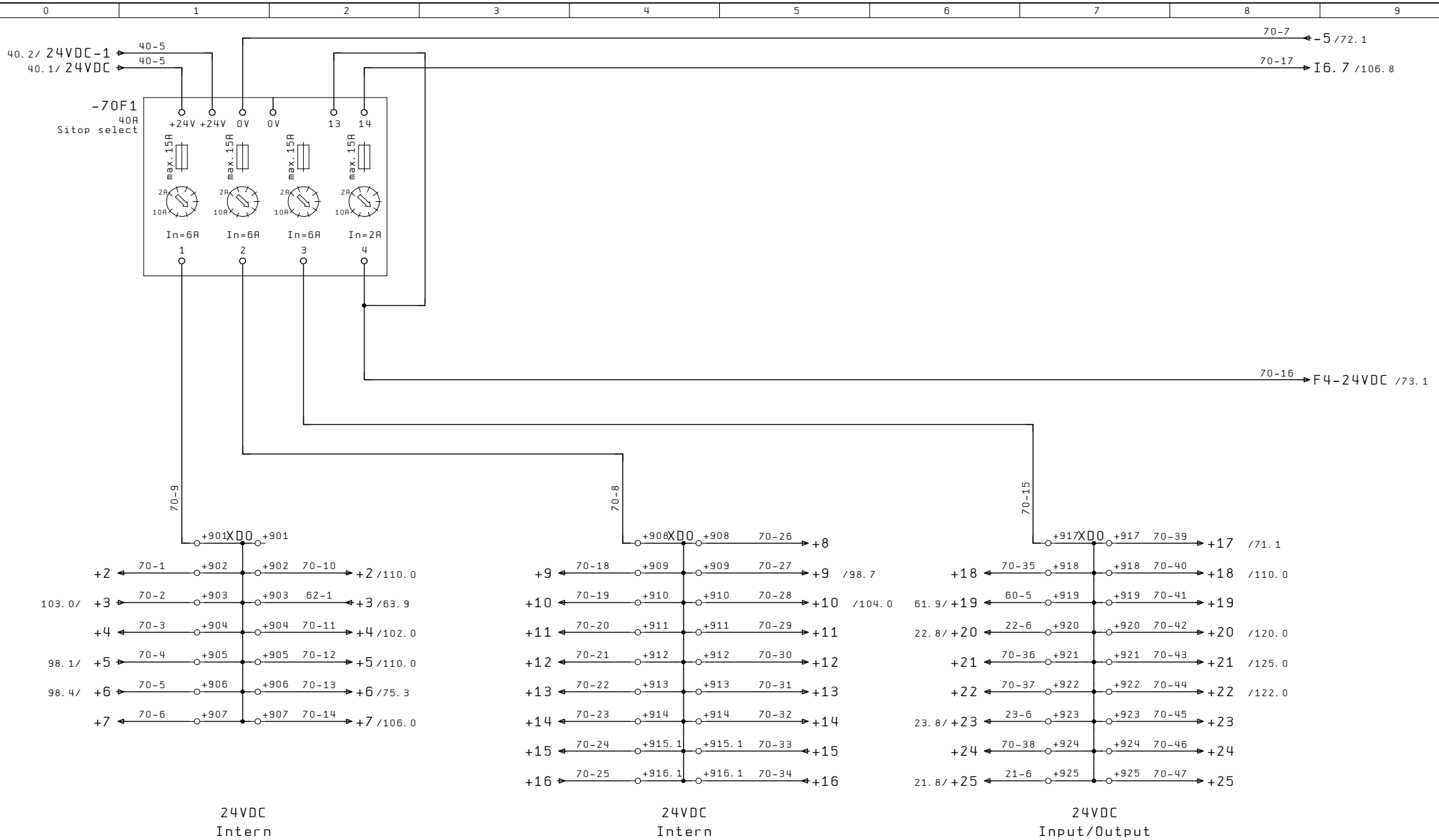
vimatic AUTOMATION
Alsikevej 15
dk-8920 Randers NV
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

Safety circuit
Service doors

| | |
|----------------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 63 |
| | 141 Pgs. |



24VDC
Intern

24VDC
Intern

24VDC
Input/Output

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

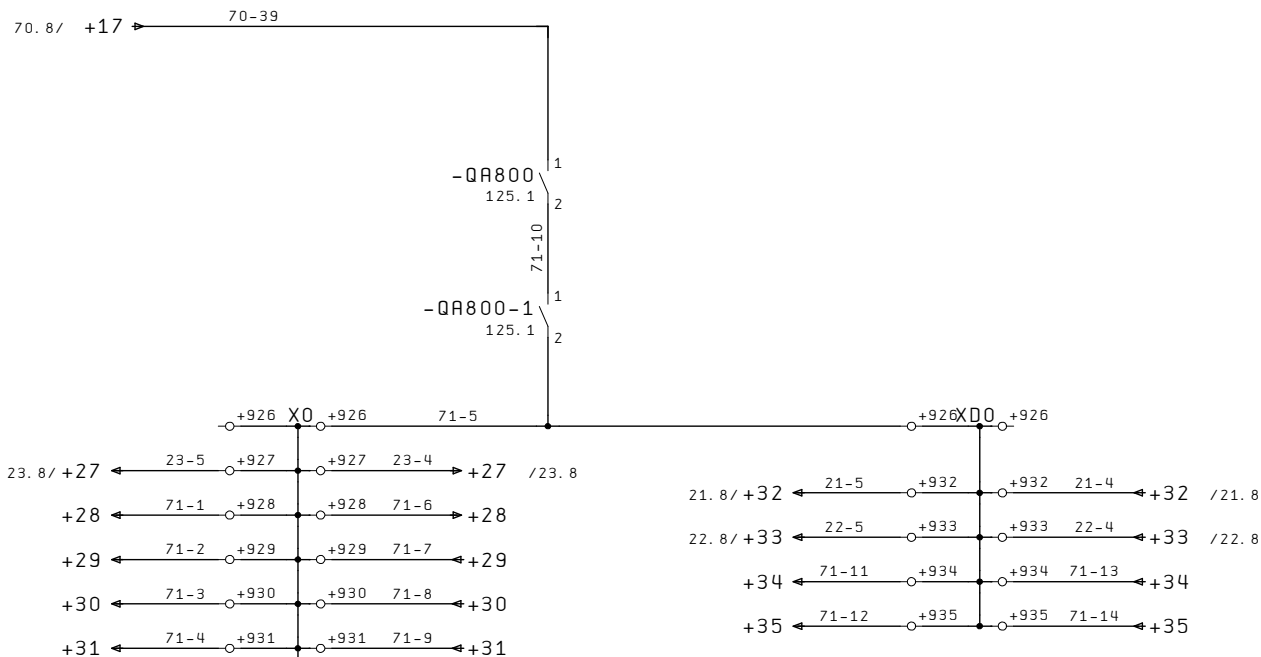
Vimatic Engineering
 Alsikevej 15
 dk-8900 Randers
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

24VDC

| | |
|---------|--------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 70 |
| 141 | Pgs. |



Nödstopp
24VDC
El-skåp

Nödstopp
24VDC
El-skåp

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

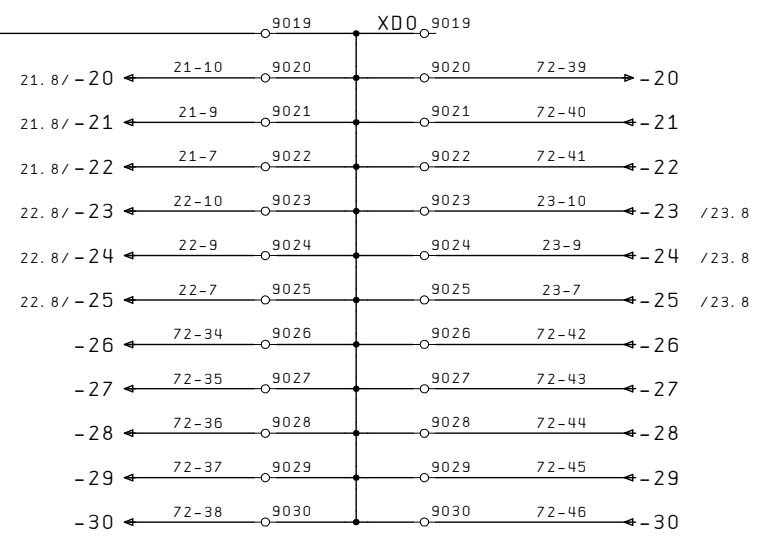
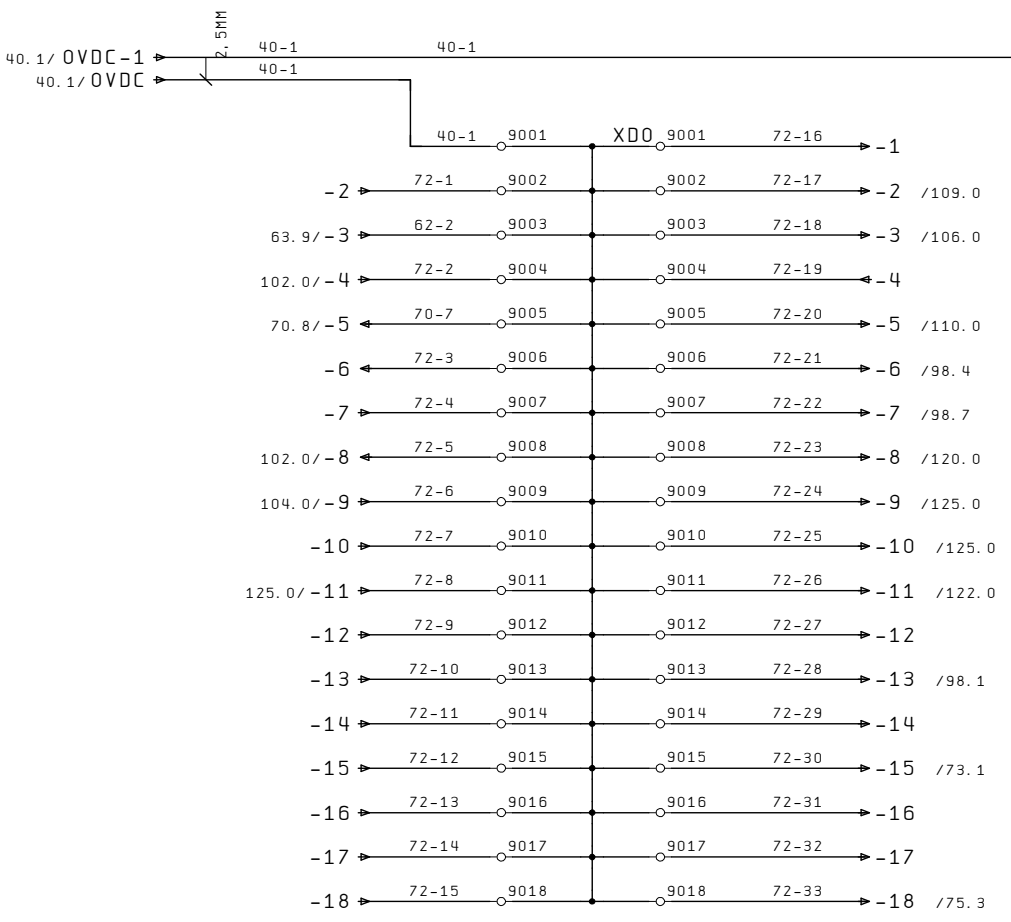
Vimatic Engineering
 Alsikevej 15
 dk-8900 Randers
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

Säkerhets 24VDC

| | |
|---------|--------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 71 |
| 141 | Pgs. |



OVDC

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

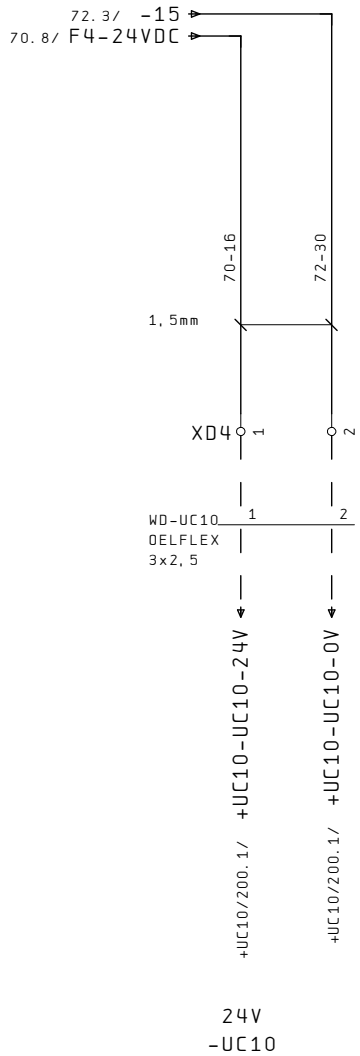
Vimatic Engineering
 Alsikevej 15
 dk-8900 Randers
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

OVDC

| | |
|---------|--------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 72 |
| 141 | Pgs. |



| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

**Vimatic
Engineering**

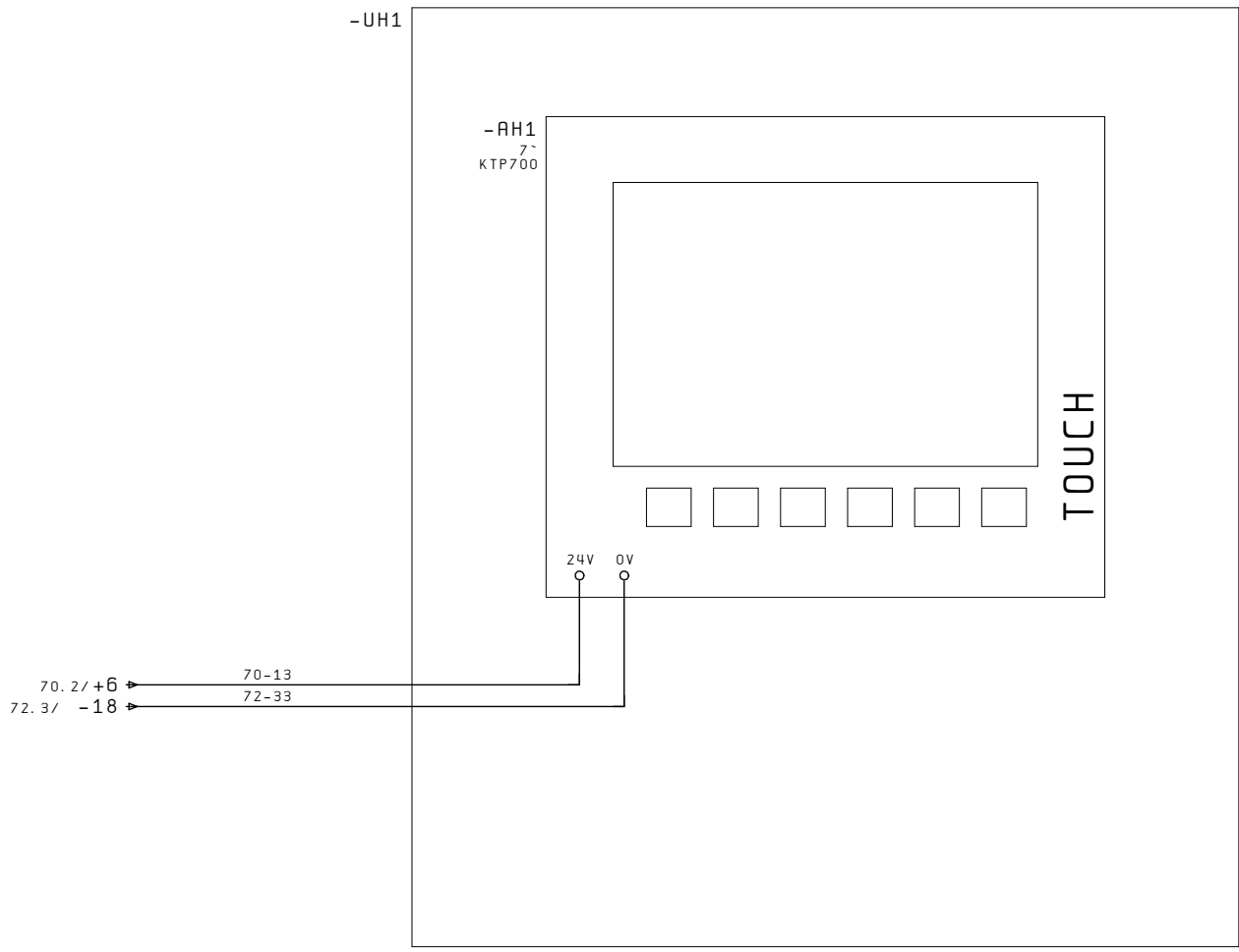
Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

24VDC supply
-UC10

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 73 |
| | 141 Pgs. |



| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

Vimatic Engineering
 Alsikevej 15
 dk-8900 Randers
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

Op-panel
 KTP700

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 75 |
| | 141 Pgs. |

-A2
98.1

-A4
106.0

-A5
110.0

-A6
120.0

-A7
122.0

-A8
125.0

| | | | | | | | |
|-------------------------------|--|---|--|--|--------------------------------------|--------------------------------------|--------------------------------------|
| SIEMENS 6ES7214-1AF40-0XB0 | | SIMATIC S7-1200F | SIEMENS 6ES7223-1BL32-0XB0 | SIEMENS 6ES7223-1BL32-0XB0 | SIEMENS 6ES7226-6BA32-0XB0 | SIEMENS 6ES7226-6BA32-0XB0 | SIEMENS 6ES7226-6DA32-0XB0 |
| □ □ □ | | □ □ □ □ □ □ □ □ CPU 1241FC DC/DC/DC | □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ SM 1223 DC | □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ SM 1223 DC | □ □ □ □ □ □ □ □ SM 1231 DC | □ □ □ □ □ □ □ □ SM 1231 DC | □ □ □ □ □ □ □ □ SM 1232 DC |
| X1: P1 | | | | | | | |

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

**Vimatic
Engineering**

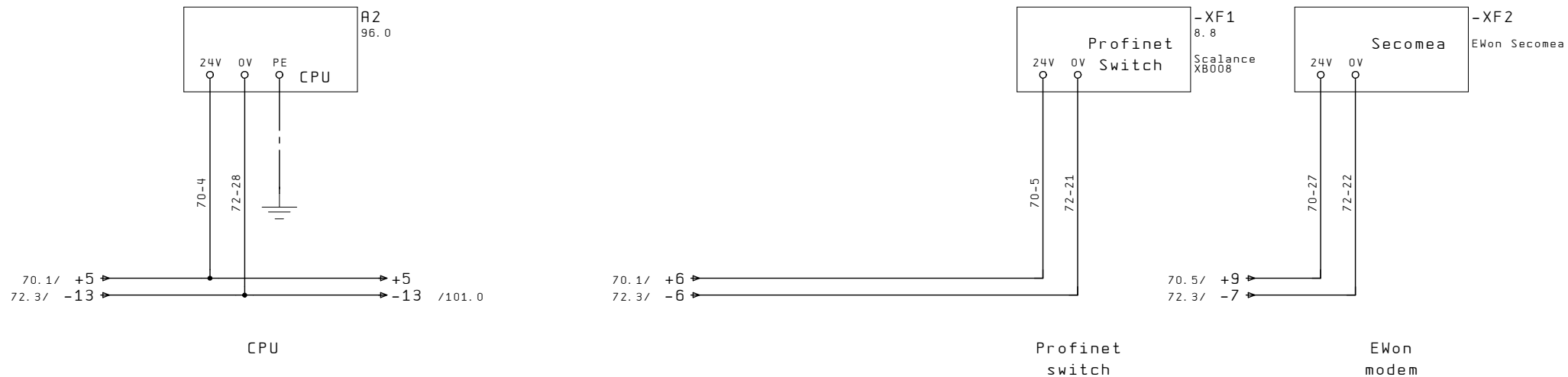
Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

Plc layout
S7-1200

| | |
|---------|--------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 96 |
| 141 | Pgs. |



| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

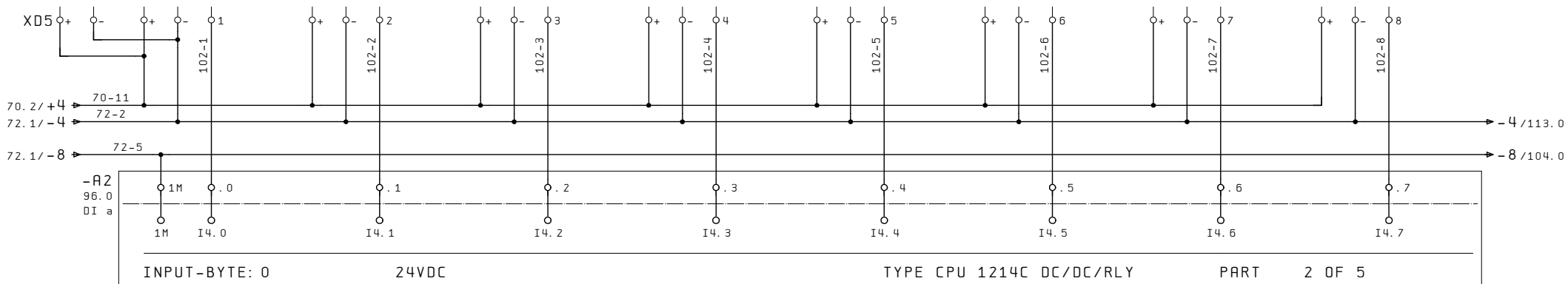
Vimatic Engineering
 Alsikevej 15
 dk-8900 Randers
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

Supply CPU

| | |
|---------|------|
| = | |
| +UH1 | |
| 22-1965 | |
| Pg. | 98 |
| 141 | Pgs. |



| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

| | |
|---------------------------|---|
| Vimatic Automation | Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 |
|---------------------------|---|

| |
|-------------------|
| Nibe AB, markaryd |
|-------------------|

| |
|-------------|
| Tunneltvätt |
|-------------|

| |
|-----------------|
| INPUT I4.0-I4.7 |
|-----------------|

| | |
|----------------|--------------------|
| = | |
| +UH1 | |
| 22-1965 | B1. 102 141 B1. |

70.1/ +3 ← 70-2 → +3 /106.0

-FC50 12.1 13 14
 -FC200 14.1 13 14
 -FC201 14.3 13 14
 -FC202 14.5 13 14
 -FC203 14.7 13 14
 -FC204 15.2 13 14

103-1
 103-2
 103-3
 103-4
 103-5
 103-6

-R2
 96.0
 0I b

I5.0 I5.1 I5.2 I5.3 I5.4 I5.5

INPUT-BYTE: 1 24VDC TYPE CPU 1214C DC/DC/RLY PART 3 OF 5

HPFI 230V ok
 Motorskydd tvättump 1
 Motorskydd tvättump 2
 Motorskydd sköljump 1
 Motorskydd sköljump 2
 Motorskydd tönningsump

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |



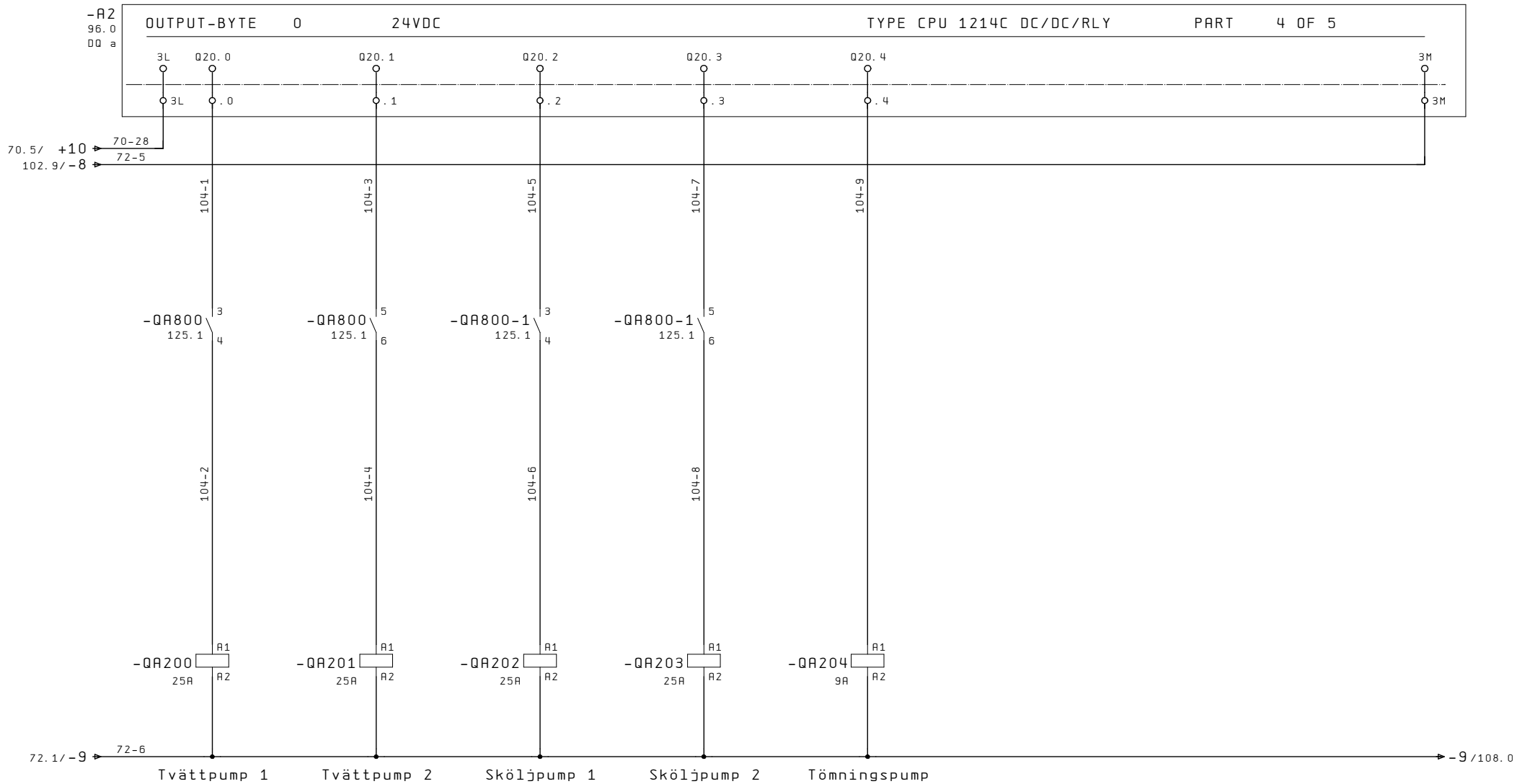
Alsikevej 15
 dk-8920 Randers NV
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

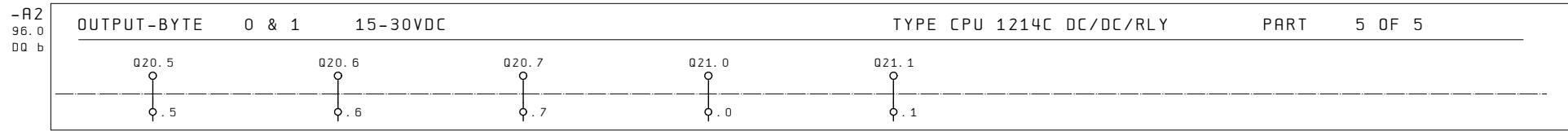
Tunneltvätt

INPUT I5.0-I5.4

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 103 |
| | 141 Pgs. |



| NO | NC | NO | NC | NO | NC | NO | NC | NO | NC |
|------|-------|------|-------|------|-------|------|-------|------|----|
| 14.1 | 107.7 | 14.3 | 107.7 | 14.5 | 107.7 | 14.7 | 107.7 | 15.1 | |
| 14.1 | | 14.3 | | 14.5 | | 14.7 | | 15.1 | |
| 14.1 | | 14.3 | | 14.5 | | 14.7 | | 15.2 | |



| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

vimatic
■■■■■ AUTOMATION

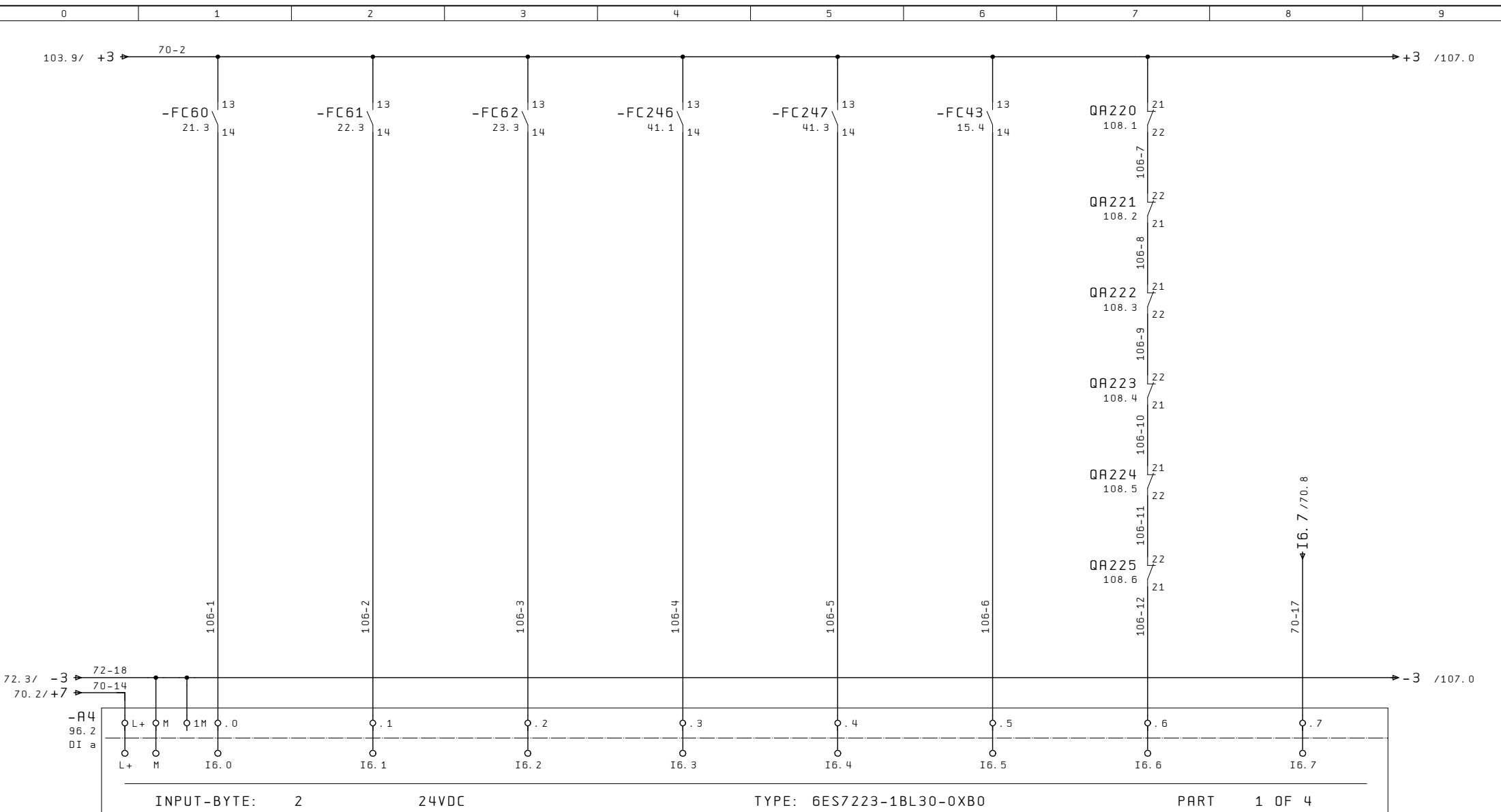
Alsikevej 15
dk-8920 Randers NV
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

OUTPUT Q20.5-Q21.1

| | |
|---------|---------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 105 |
| 141 | Pgs. |



INPUT-BYTE: 2

24VDC

TYPE: 6ES7223-1BL30-0XB0

PART 1 OF 4

Motor skydd
frekvens-
omriktter
Evakuerings-
fläkt

Motor skydd
frekvens-
omriktter
Avblåsnings-
fläkt

Motor skydd
frekvens-
omriktter
Transportbana

Säkring
oljaoperator
ok

Säkring
cir. pump
bergvärme
ok

Säkring
bergvärme
tillgång
ok

Värme
stängd ner
ok

Säkring
24VDC
-70F1
ok

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
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| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |



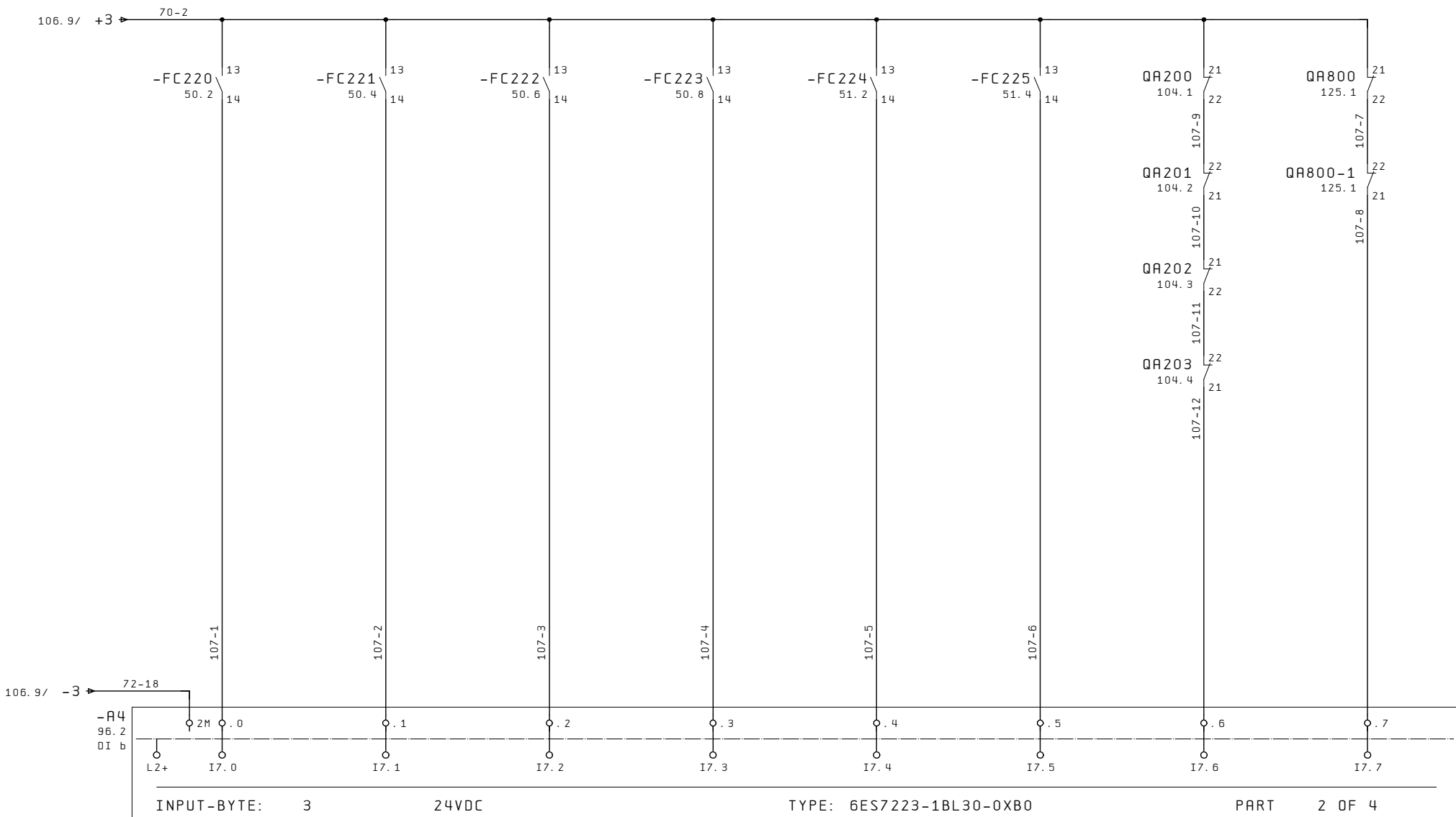
Alsikevej 15
dk-8920 Randers NV
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

INPUT I6.0-6.7

| | |
|----------|--|
| = | |
| +UH1 | |
| 22-1965 | |
| Pg. 106 | |
| 141 Pgs. | |



| | | | | | | | |
|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|---------------------------|
| Motor skydd tvätt värme 1 ok | Motor skydd tvätt värme 2 ok | Motor skydd tvätt värme 3 ok | Motor skydd skölj värme 1 ok | Motor skydd skölj värme 2 ok | Motor skydd skölj värme 3 ok | Kontaktor efter nödstopp ok | Safety kontaktor ok |
|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|---------------------------|

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

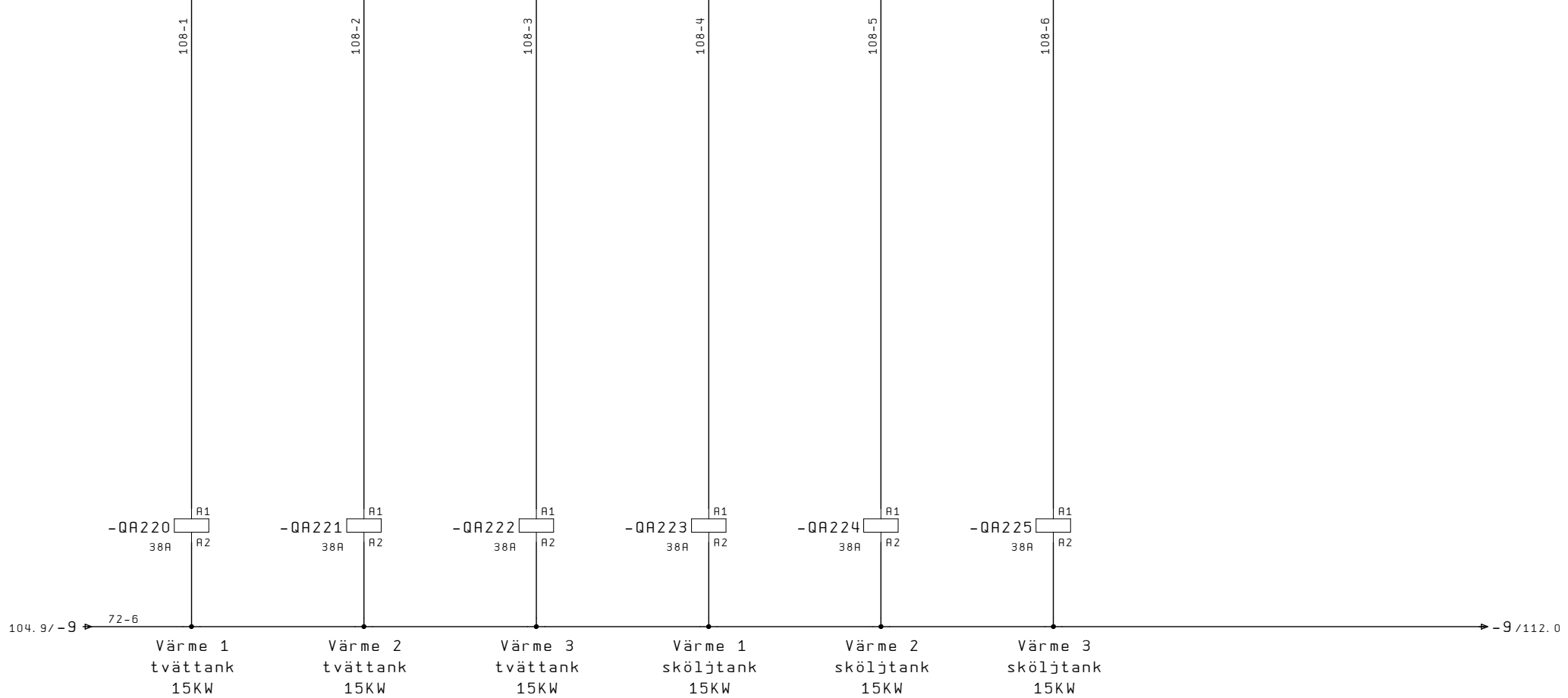
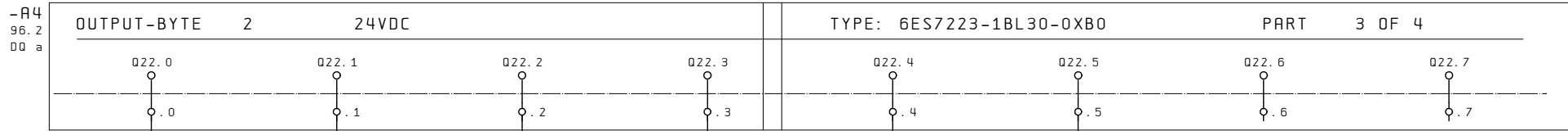
vimatic AUTOMATION
 Alsikevej 15
 dk-8920 Randers NV
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

INPUT I7.0-I7.7

| | |
|----------------|--|
| = | |
| +UH1 | |
| 22-1965 | |
| Pg. 107 | |
| 141 Pgs. | |



| NO | | NC | | NO | | NC | | NO | | NC | | NO | | NC | |
|------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|-------|
| 50.2 | 50.2 | 50.2 | 106.7 | 50.3 | 50.4 | 50.3 | 106.7 | 50.5 | 50.5 | 50.5 | 106.7 | 50.7 | 50.7 | 50.7 | 106.7 |
| 50.2 | 50.2 | 50.2 | | 50.4 | 50.4 | 50.4 | | 50.6 | 50.6 | 50.6 | | 51.1 | 50.7 | 51.1 | 106.7 |
| 50.2 | | | | | | | | | | | | 51.2 | | 51.2 | |

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

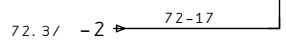
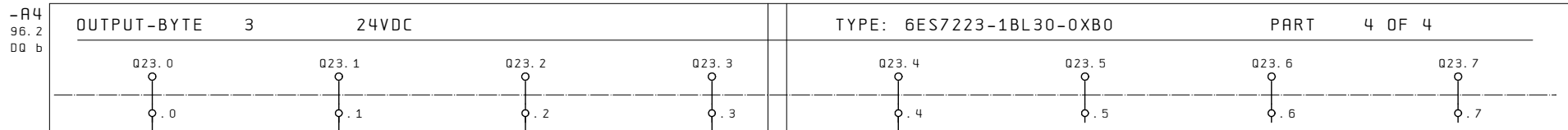
vimatic AUTOMATION
 Alsikevej 15
 dk-8920 Randers NV
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

OUTPUT Q22.0-Q22.7

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 108 |
| | 141 Pgs. |



24V till Auto Start Manuell Reset/larm Service larm

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

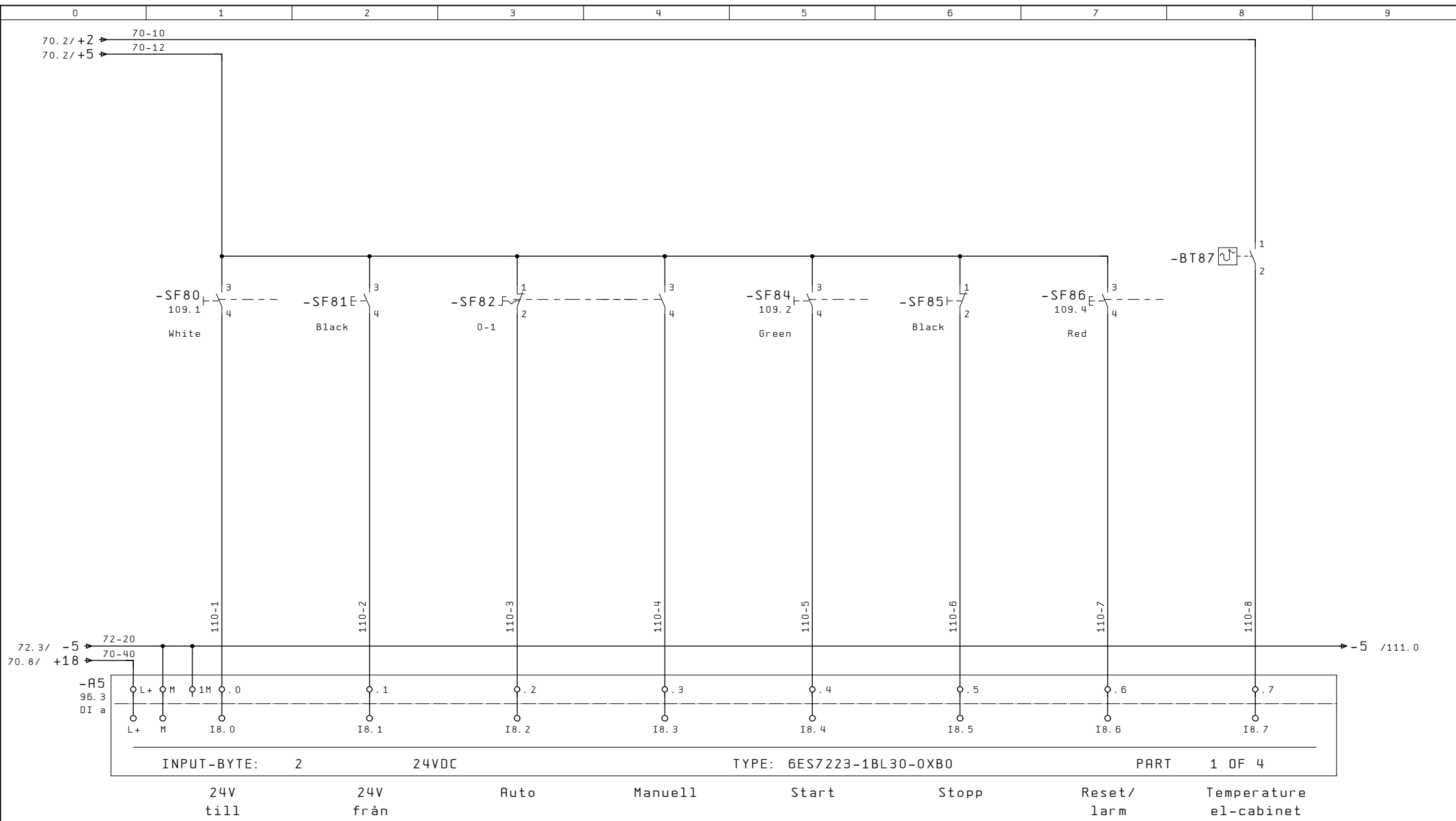
Alsikevej 15
 dk-8920 Randers NV
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

OUTPUT Q23.0-Q23.7

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 109 |
| | 141 Pgs. |



| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

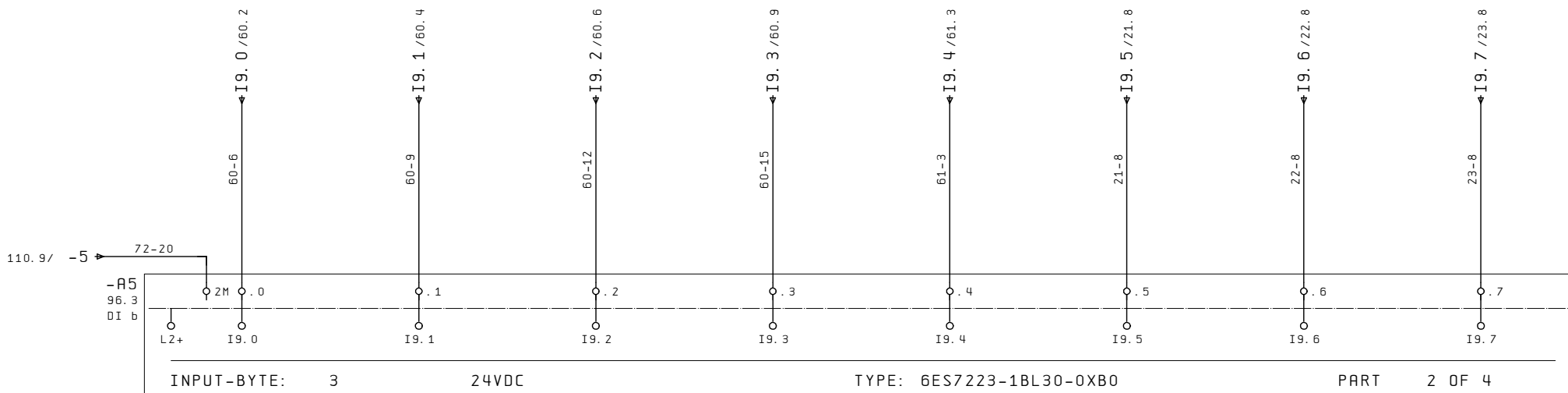
vimatic AUTOMATION
 Alsikevej 15
 dk-8920 Randers NV
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

INPUT I8.0-8.7

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 110 |
| | 141 Pgs. |



INPUT-BYTE: 3 24VDC TYPE: 6ES7223-1BL30-0XB0 PART 2 OF 4

| | | | | | | | |
|--------------------------------------|---------------------|---------------------|---------------------|---------------------|--|--|--|
| Emergency stop el-cabinet -UH1 | Emergency stop 2 | Emergency stop 3 | Emergency stop 4 | Emergency stop 5 | Fel frekvens omrickter -TA60 Evakuerings- fläkt | Fel frekvens omrickter -TA61 Avblåsnings- fläkt | Fel frekvens omrickter -TA62 Transportbana |
|--------------------------------------|---------------------|---------------------|---------------------|---------------------|--|--|--|

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |



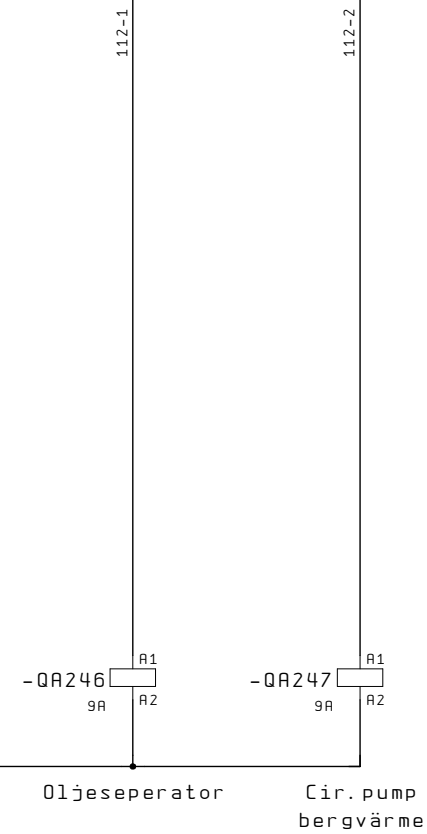
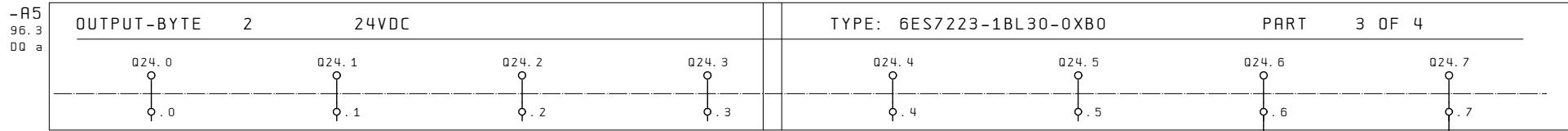
Alsikevej 15
dk-8920 Randers NV
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

INPUT I9.0-I9.7

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 111 |
| | 141 Pgs. |



108.9/-9 → 72-6

| | |
|------|------|
| NO | NC |
| 41.1 | 41.3 |
| 41.1 | 41.3 |

| | |
|------|------|
| NO | NC |
| 41.3 | 41.3 |
| 41.3 | 41.3 |

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

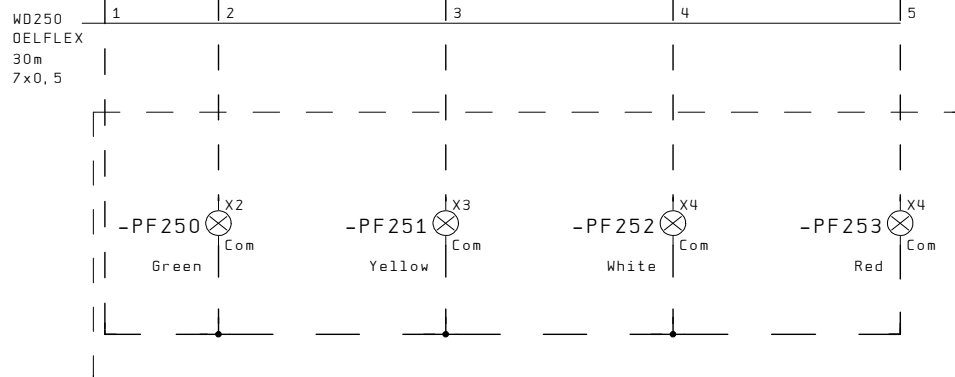
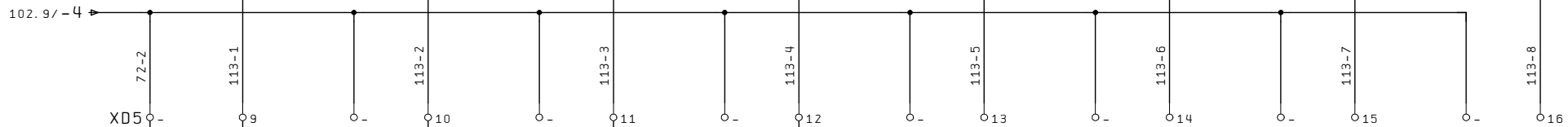
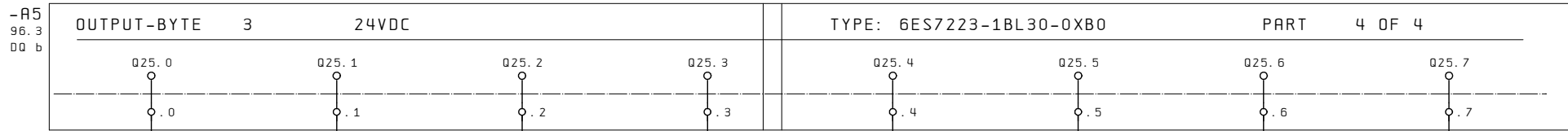
vimatic ■■■■■ AUTOMATION
 Alsikevej 15
 dk-8920 Randers NV
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

OUTPUT Q24.0-Q24.7

| | |
|----------------|------|
| = | |
| +UH1 | |
| 22-1965 | |
| Pg. | 112 |
| 141 | Pgs. |



LIGHT TOWER
-PF250
Washer

Auto Service larm Väntan Larm

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

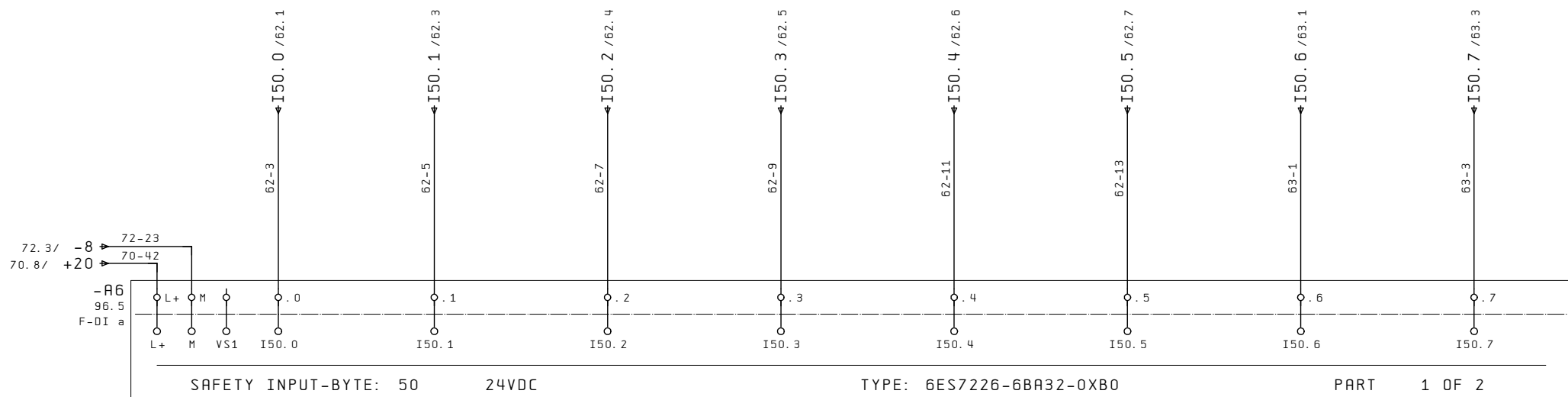
vimatic AUTOMATION
 Alsikevej 15
 dk-8920 Randers NV
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

OUTPUT Q25.0-Q25.7

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 113 |
| | 141 Pgs. |



| | | | | | | | |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Safety Service door 1 circuit 1 | Safety Service door 2 circuit 1 | Safety Service door 3 circuit 1 | Safety Service door 4 circuit 1 | Safety Service door 5 circuit 1 | Safety Service door 6 circuit 1 | Safety Service door 7 circuit 1 | Safety Service door 8 circuit 1 |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |

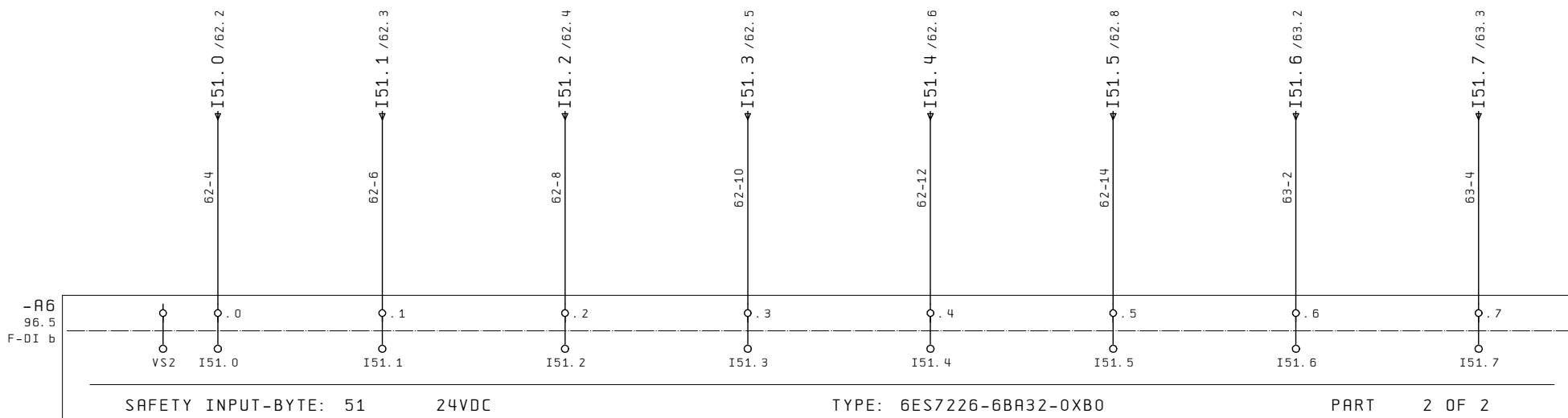
vimatic AUTOMATION
 Alsikevej 15
 dk-8920 Randers NV
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

SAFETY INPUT I50.0-I50.7

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 120 |
| | 141 Pgs. |



SAFETY INPUT-BYTE: 51 24VDC TYPE: 6ES7226-6BA32-0XB0 PART 2 OF 2

| | | | | | | | |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Safety Service door 1 circuit 2 | Safety Service door 2 circuit 2 | Safety Service door 3 circuit 2 | Safety Service door 4 circuit 2 | Safety Service door 5 circuit 2 | Safety Service door 6 circuit 2 | Safety Service door 7 circuit 2 | Safety Service door 8 circuit 2 |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |



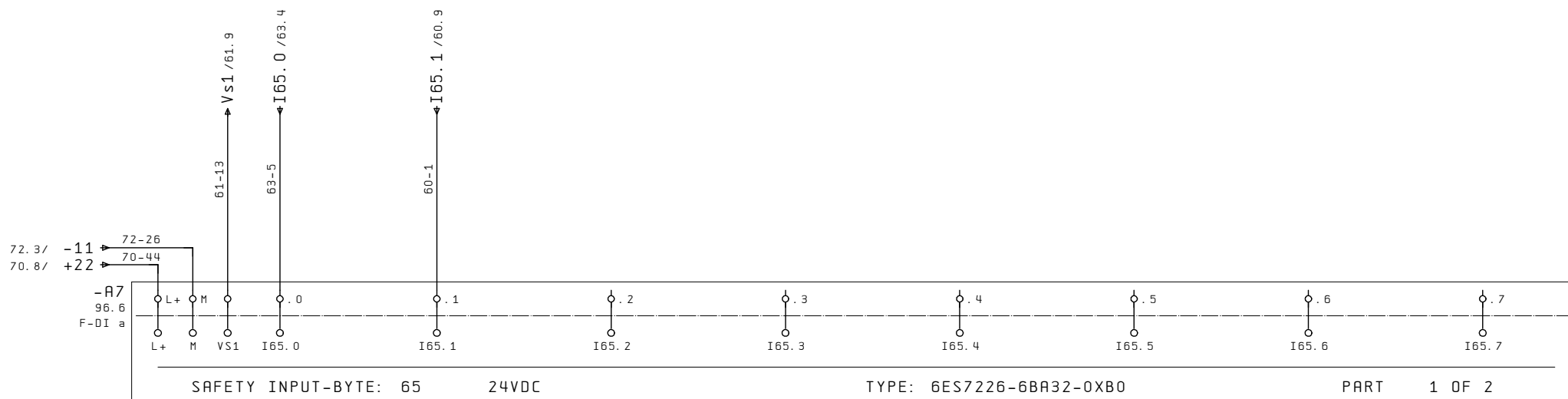
Alsikevej 15
dk-8920 Randers NV
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

SAFETY INPUT I51.0-I51.7

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 121 |
| | 141 Pgs. |



Safety Service door 9 circuit 1
Safety emergencystop tvätt circuit 1

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |



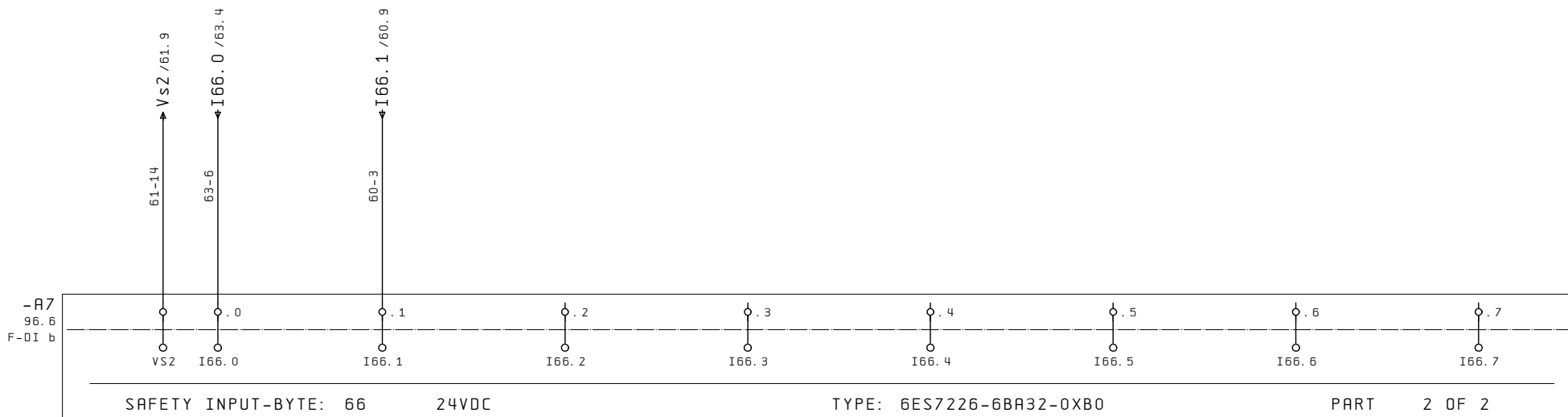
Alsikevej 15
dk-8920 Randers NV
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

SAFETY INPUT I65.0-I65.7

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 122 |
| | 141 Pgs. |



Safety Service door 9 circuit 2 Safety emergencystop tvätt circuit 2

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |



Alsikevej 15
dk-8920 Randers NV
TLF: 86 40 10 88
FAX: 86 40 14 18

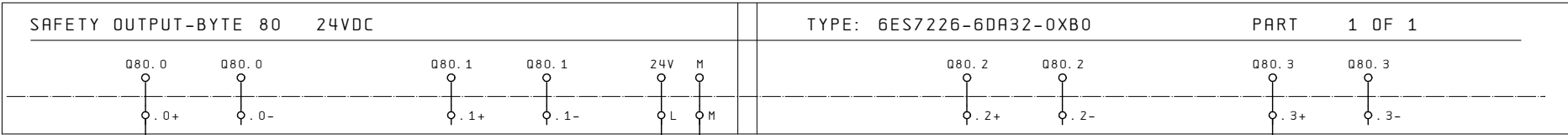
Nibe AB, markaryd

Tunneltvätt

SAFETY INPUT I66.0-I66.7

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 123 |
| | 141 Pgs. |

-A8
96.7
F-00 a



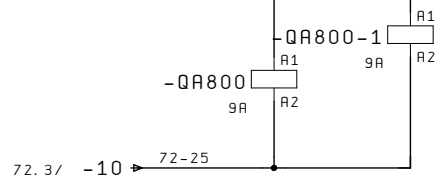
72.3/ -9
70.8/ +21
72.1/ -11

72-24
70-43
72-8

125-1

X7 0- 01

125-4



Safety
contactor
emergencystop

| NO | NC | NO | NC |
|-------|-------|-------|-------|
| 71.2 | 107.8 | 71.2 | 107.8 |
| 104.1 | | 104.3 | |
| 104.2 | | 104.4 | |

| | |
|-----------------|---------------|
| Project start | 17. Maj. 2022 |
| Page changed | 10. Jun. 2024 |
| Plot date | 10. Jun. 2024 |
| Vim. No. /Init. | /TMH |



Alsikevej 15
dk-8920 Randers NV
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

SAFETY OUTPUT Q80.0-Q80.7

| | |
|---------|----------|
| = | |
| +UH1 | |
| 22-1965 | Pg. 125 |
| | 141 Pgs. |

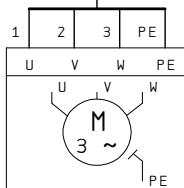
Plinträcka

+UH1-TA60

| | | | | |
|----------------|-------|-------|-------|-------|
| Sida/Str. | /21.3 | /21.3 | /21.3 | /21.3 |
| Lasker | | | | |
| PLC-Beteckning | | | | |
| Plint | U | V | W | PE |



WD60
OELFLEX-CY
4x1.5mm²



-MA60

Evakuerings fläkt
= =

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

Vimatic
Automation

Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

-TA60 Frekvens
Tvättpump

=
+UH1

22-1965

| | |
|-----|-----|
| B1. | 127 |
| 141 | B1. |

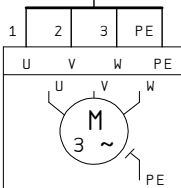
Plinträcka

+UH1-TA61

| | | | | |
|----------------|-------|-------|-------|-------|
| Sida/Str. | /22.3 | /22.3 | /22.3 | /22.3 |
| Lasker | | | | |
| PLC-Beteckning | | | | |
| Plint | U | V | W | PE |



WD61
OELFLEX-CY
4x2.5mm²



-MA61

Avblåsnings fläkt
= =

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

Vimatic
Automation

Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

-TA61 Frekvens
Sköljpum

=
+UH1

22-1965

| | |
|-----|-----|
| B1. | 128 |
| 141 | B1. |

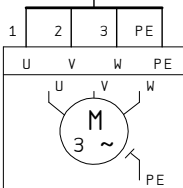
Plinträcka

+UH1-TA62

| | | | | |
|----------------|-------|-------|-------|-------|
| Sida/Str. | /23.3 | /23.3 | /23.3 | /23.3 |
| Lasker | | | | |
| PLC-Beteckning | | | | |
| Plint | U | V | W | PE |



WD62
OELFLEX-CY
4x1.5mm²



-MA62

Transportör
||

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

Vimatic
Automation

Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

+UH1-TA62

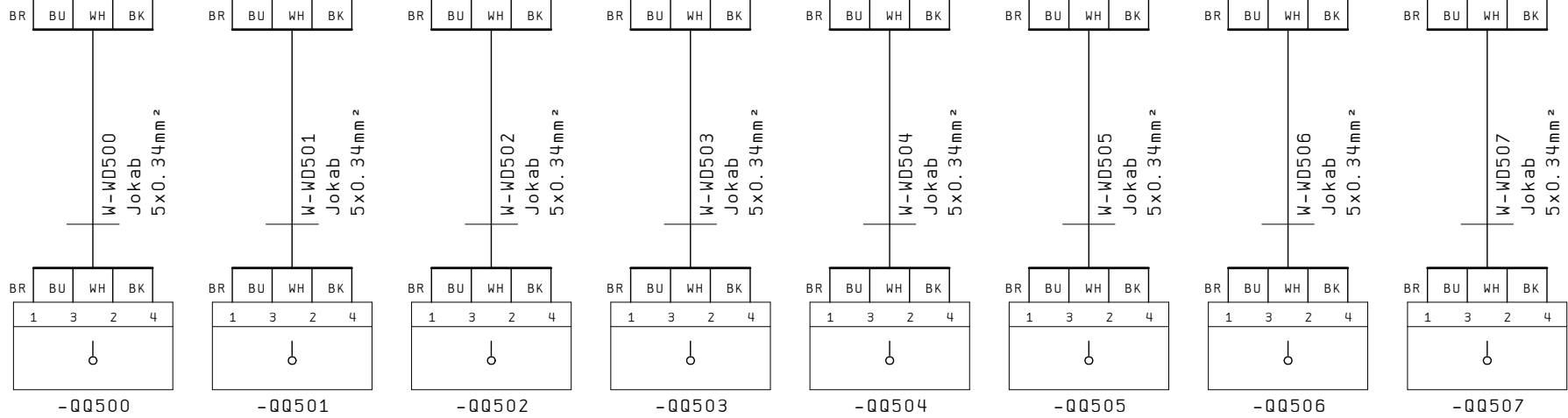
=
+UH1

22-1965

| | |
|-----|-----|
| B1. | 129 |
| 141 | B1. |

Plinträcka +UH1-UC10

| Sida/Str. | /62.1 | | | | /62.2 | | | | /62.3 | | | | /62.4 | | | | /62.5 | | | | /62.6 | | | | /62.7 | | | | /62.8 | | | | /63.1 | | | | /63.2 | | | | /63.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|-------|--|--|--|-------|--|--|--|-------|--|--|--|-------|--|--|--|-------|--|--|--|-------|--|--|--|-------|--|--|--|-------|--|--|--|-------|--|--|--|-------|--|--|--|-------|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|----|--|--|--|---|--|--|--|---|--|--|--|----|--|--|--|----|--|--|--|---|--|--|--|---|--|--|--|----|--|--|--|----|--|--|--|---|--|--|--|---|--|--|--|----|--|--|--|----|--|--|--|
| Lasker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLC-Beteckning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plint | + | | | | - | | | | 1 | | | | 2 | | | | + | | | | - | | | | 3 | | | | 4 | | | | + | | | | - | | | | 5 | | | | 6 | | | | + | | | | - | | | | 7 | | | | 8 | | | | + | | | | - | | | | 9 | | | | 10 | | | | + | | | | - | | | | 11 | | | | 12 | | | | + | | | | - | | | | 13 | | | | 14 | | | | + | | | | - | | | | 15 | | | | 16 | | | |



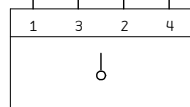
Plinträcka +UH1-UC10

| | | | | |
|----------------|-------|-------|-------|-------|
| Sida/Str. | /63.3 | /63.4 | /63.4 | /63.4 |
| Lasker | | | | |
| PLC-Beteckning | | | | |
| Plint | + | - | 17 | 18 |

BR BU WH BK

W-WD650
Jokab
5x0.34mm²

BR BU WH BK



-QQ650

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

Vimatic
Automation

Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

+UH1-UC10

=
+UH1

22-1965

| | |
|-----|-----|
| B1. | 131 |
| 141 | B1. |

Plinträcka +UH1-X7

| | | | |
|----------------|--------|--------|--|
| Sida/Str. | /125.6 | /125.7 | |
| Lasker | | | |
| PLC-Beteckning | | | |
| Plint | 1 | 1 | |

| | |
|---------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim. Nr. / ritad av | /TMH |

Vimatic
Automation

Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

X7 Rit unit

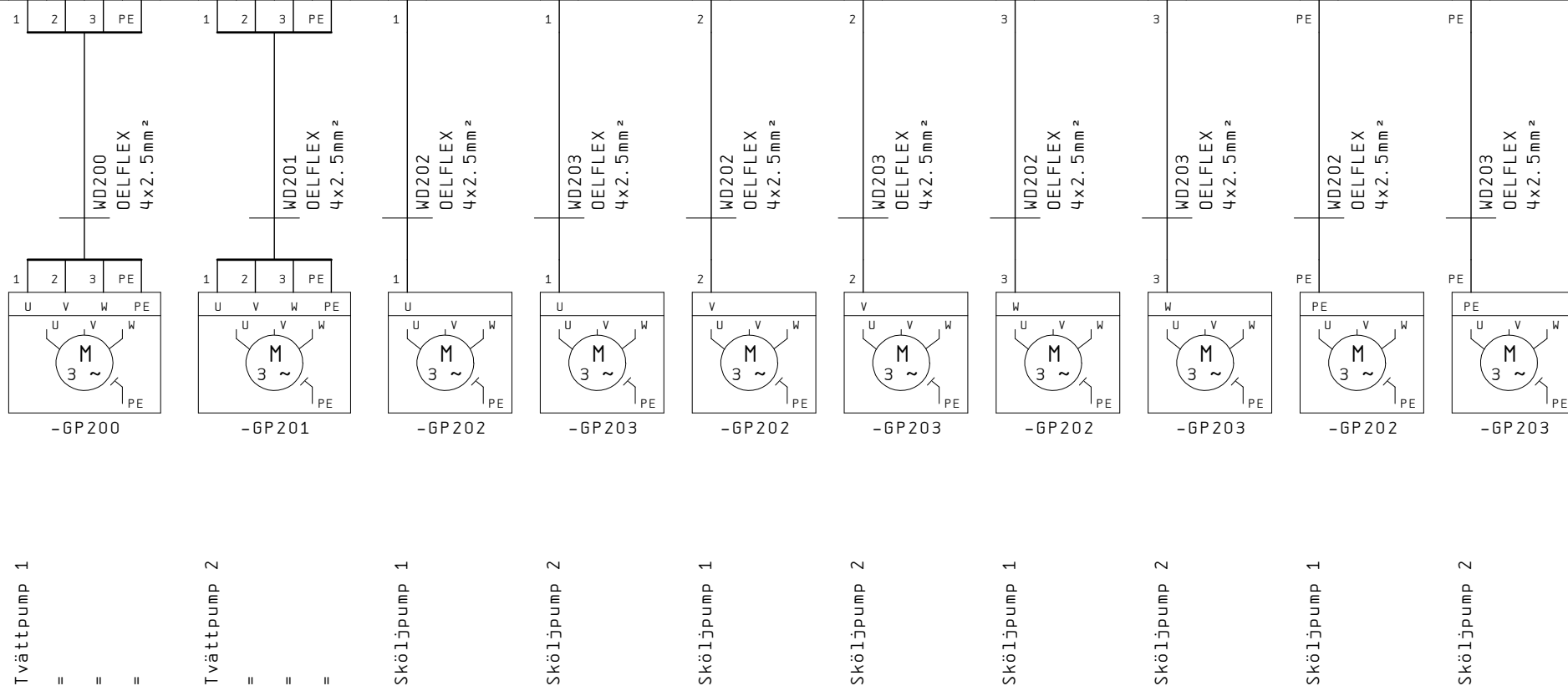
=
+UH1

22-1965

| | |
|-----|-----|
| B1. | 132 |
| 141 | B1. |

Plinträcka +UH1-XD1

| Sida/Str. | 1 | 2 | 3 | PE | 4 | 5 | 6 | PE | 7 | 10 | 8 | 11 | 9 | 12 | PE | PE | |
|----------------|---|---|---|----|---|---|---|----|---|----|---|----|---|----|----|----|--|
| Lasker | | | | | | | | | | | | | | | | | |
| PLC-Beteckning | | | | | | | | | | | | | | | | | |
| Plint | 1 | 2 | 3 | PE | 4 | 5 | 6 | PE | 7 | 10 | 8 | 11 | 9 | 12 | PE | PE | |



| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

| | |
|---------------------------|---|
| Vimatic Automation | Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 |
|---------------------------|---|

| |
|-------------------|
| Nibe AB, markaryd |
|-------------------|

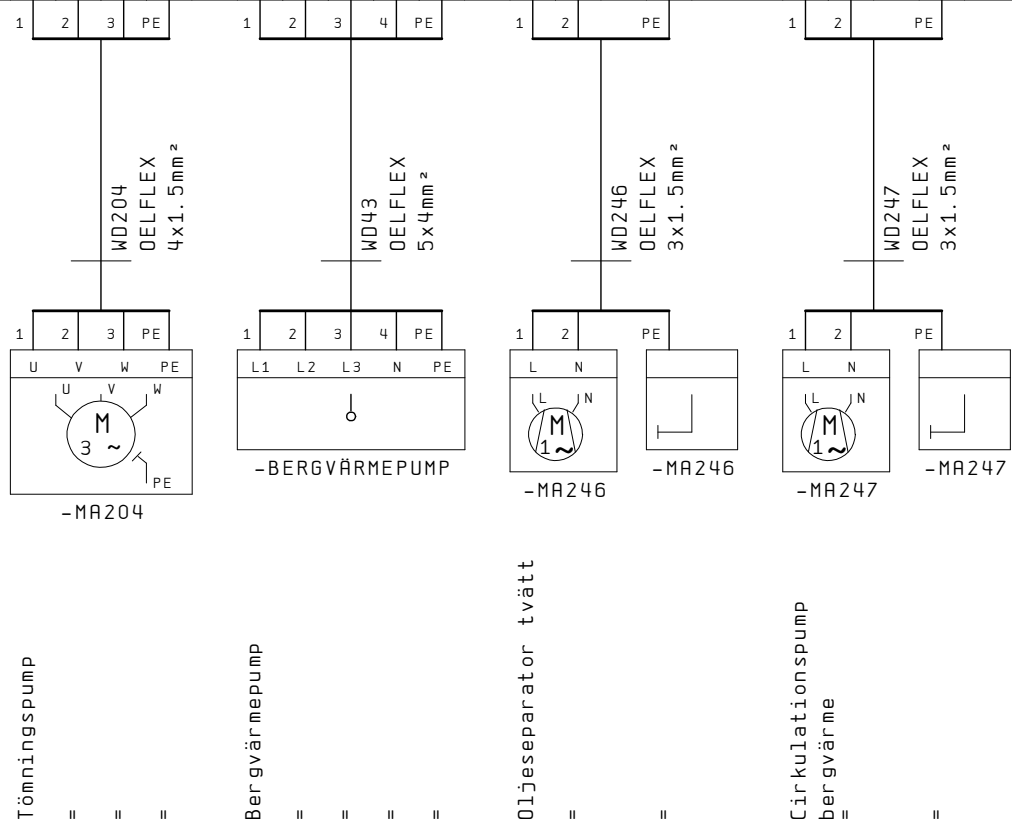
| |
|-------------|
| Tunneltvätt |
|-------------|

| |
|----------|
| +UH1-XD1 |
|----------|

| | |
|----------------|-----|
| = | |
| +UH1 | |
| 22-1965 | |
| B1. | 133 |
| 141 | B1. |

Plinträcka +UH1-XD1

| Sida/Str. | 13 | 14 | 15 | PE | 16 | 17 | 18 | 19 | PE | 20 | 21 | PE | 22 | 23 | PE |
|----------------|-------|-------|-------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| /15.1 | /15.1 | /15.2 | /15.2 | | /15.3 | /15.4 | /15.4 | /15.4 | /15.4 | /41.1 | /41.1 | /41.1 | /41.3 | /41.3 | /41.3 |
| Lasker | | | | | | | | | | | | | | | |
| PLC-Beteckning | | | | | | | | | | | | | | | |
| Plint | 13 | 14 | 15 | PE | 16 | 17 | 18 | 19 | PE | 20 | 21 | PE | 22 | 23 | PE |



| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

| | |
|---------------------------|---|
| Vimatic Automation | Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 |
|---------------------------|---|

| |
|-------------------|
| Nibe AB, markaryd |
|-------------------|

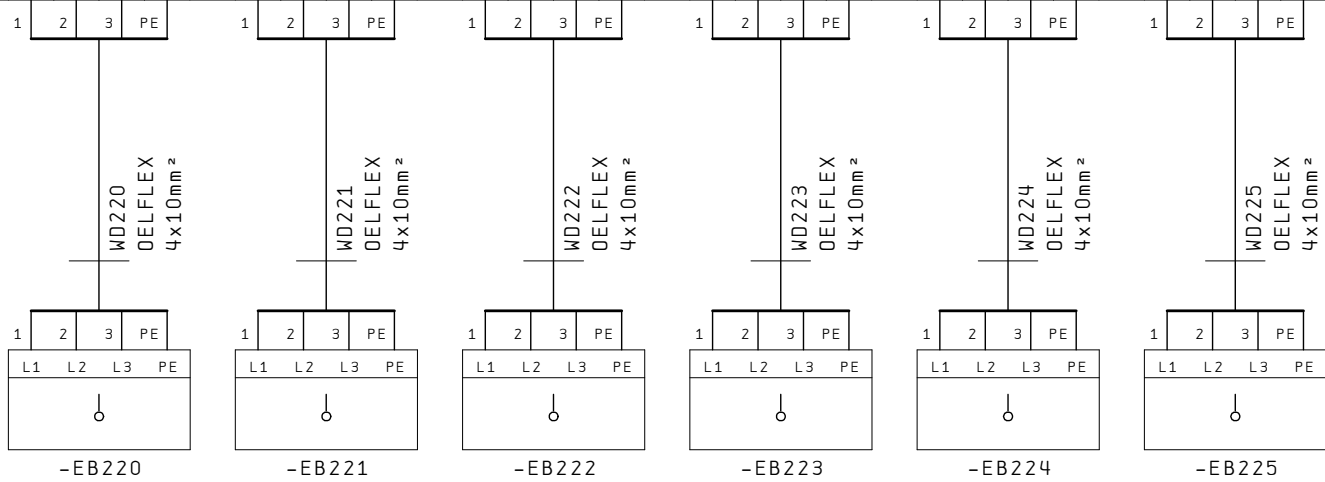
| |
|-------------|
| Tunneltvätt |
|-------------|

| |
|----------|
| +UH1-XD1 |
|----------|

| | |
|---------|--------------------|
| = | |
| +UH1 | |
| 22-1965 | B1. 134 141 B1. |

Plinträcka +UH1-XD2

| Sida/Str. | /50.2 | | | | /50.3 | | | | /50.5 | | | | /50.7 | | | | /51.1 | | | | | | | |
|----------------|-------|---|---|----|-------|---|---|----|-------|---|---|----|-------|----|----|----|-------|----|----|----|----|----|----|----|
| Lasker | | | | | | | | | | | | | | | | | | | | | | | | |
| PLC-Beteckning | | | | | | | | | | | | | | | | | | | | | | | | |
| Plint | 1 | 2 | 3 | PE | 4 | 5 | 6 | PE | 7 | 8 | 9 | PE | 10 | 11 | 12 | PE | 13 | 14 | 15 | PE | 16 | 17 | 18 | PE |



Värme 1 tvätt steg 1
15KW
=
=
=

Värme 2 tvätt steg 1
15KW
=
=
=

Värme 3 tvätt steg 1
15KW
=
=
=

Värme 1 skölj steg 2
15KW
=
=
=

Värme 2 skölj steg 2
15KW
=
=
=

Värme 3 skölj steg 2
15KW
=
=
=

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

| | |
|-----------------------|------------------|
| Vimatic Automation | Alsikevej 15 |
| | dk-8900 Randers |
| | TLF: 86 40 10 88 |
| | FAX: 86 40 14 18 |

Nibe AB, markaryd

Tunneltvätt

XD2 Heat

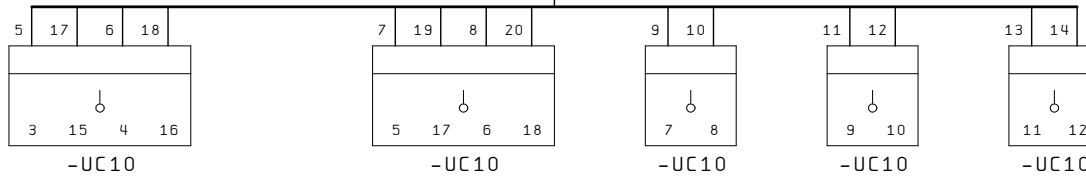
| | |
|---------|---------|
| = | |
| +UH1 | |
| 22-1965 | B1. 135 |
| | 141 B1. |

Plinträcka +UH1-XD3

| Sida/Str. | /62.2 | /63.2 | /62.3 | /63.3 | /62.3 | /63.3 | /62.3 | /63.3 | /62.4 | /63.4 | /62.4 | /63.4 | /62.4 | /63.4 | /62.5 | /63.5 | /62.5 | /63.5 | /62.5 | /63.5 | /62.6 | /63.6 | /62.6 | /63.6 | /62.7 | /63.7 | /62.7 | /63.7 | /62.8 |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lasker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLC-Beteckning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plint | 36 | 60 | 37 | 61 | 38 | 62 | 39 | 63 | 40 | 64 | 41 | 65 | 42 | 66 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | | | |

| | | | | | | | | | | | | | |
|---|----|---|----|---|----|---|----|---|----|----|----|----|----|
| 5 | 17 | 6 | 18 | 7 | 19 | 8 | 20 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|----|---|----|---|----|---|----|---|----|----|----|----|----|

W-WD10
OELFLEX
21x0.5mm²



| | |
|---------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim. Nr. / ritad av | /TMH |

| | |
|---------------------------|---|
| Vimatic Automation | Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 |
|---------------------------|---|

| |
|-------------------|
| Nibe AB, markaryd |
|-------------------|

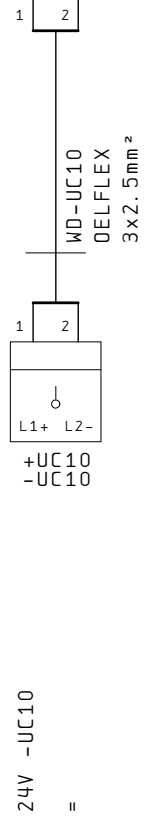
| |
|-------------|
| Tunneltvätt |
|-------------|

| |
|------------|
| XD3 Safety |
|------------|

| | |
|---------|--------------------|
| = | |
| +UH1 | |
| 22-1965 | B1. 137 141 B1. |

Plinträcka +UH1-XD4

| | | |
|----------------|-------|-------|
| Sida/Str. | /73.1 | /73.1 |
| Lasker | | |
| PLC-Beteckning | | |
| Plint | 1 | 2 |



| | |
|---------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim. Nr. / ritad av | /TMH |

Vimatic Automation
 Alsikevej 15
 dk-8900 Randers
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

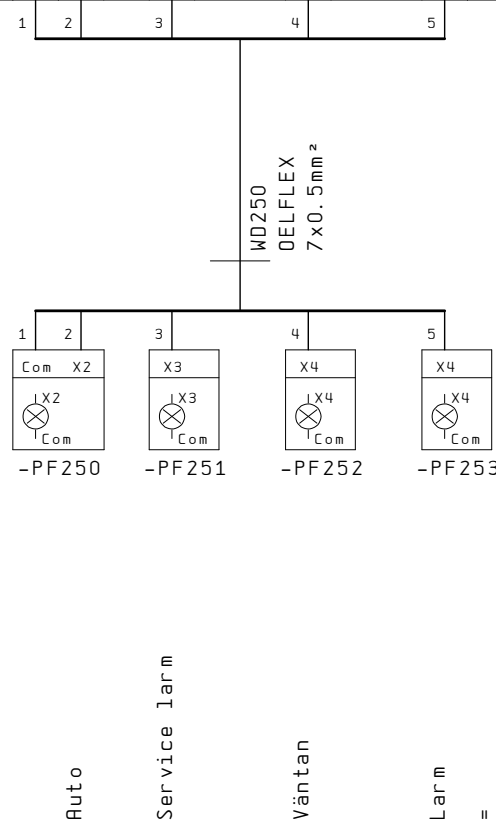
Tunneltvätt

XD4
 24VDC supply

| | |
|---------|--------------------|
| = | |
| +UH1 | |
| 22-1965 | B1. 138 141 B1. |

Plinträcka +UH1-XD5

| Sida/Str. | /102.0 | /102.0 | /102.1 | /102.1 | /102.1 | /102.2 | /102.2 | /102.2 | /102.3 | /102.3 | /102.3 | /102.4 | /102.4 | /102.4 | /102.5 | /102.5 | /102.5 | /102.6 | /102.6 | /102.6 | /102.7 | /102.7 | /102.7 | /102.8 | /102.8 | /102.8 | /113.1 | /113.1 | /113.2 | /113.3 | /113.4 | /113.5 | /113.5 | /113.6 | /113.6 | /113.7 | /113.7 | | |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|----|
| Lasker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLC-Beteckning | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plint | + | - | + | - | 1 | + | - | 2 | + | - | 3 | + | - | 4 | + | - | 5 | + | - | 6 | + | - | 7 | + | - | 8 | - | 9 | 10 | | 11 | | 12 | - | 13 | - | 14 | - | 15 |



| | | |
|-----|------------------|---------------|
| 138 | Start datum | 17. Maj. 2022 |
| | Sida rev. | 04. Jun. 2024 |
| | Plot datum | 10. Jun. 2024 |
| | Vim.Nr./ritad av | /TMH |

Vimatic Automation
 Alsikevej 15
 dk-8900 Randers
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

XD5 I/O

| | |
|---------|---------|
| = | |
| +UH1 | |
| 22-1965 | B1. 139 |
| | 141 B1. |

Plinträcka +UH1-XD5

| | | | |
|----------------|--------|--------|--|
| Sida/Str. | /113.8 | /113.8 | |
| Lasker | | | |
| PLC-Beteckning | | | |
| Plint | - | 16 | |

Lar m
=

| | |
|---------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim. Nr. / ritad av | /TMH |

Vimatic
Automation

Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

XD5 I/O

=
+UH1

22-1965

| | |
|-----|-----|
| B1. | 140 |
| 141 | B1. |

Plinträcka +UH1-XD1. 1

| | | | |
|----------------|-------|-------|--|
| Sida/Str. | /10.5 | /10.6 | |
| Lasker | | | |
| PLC-Beteckning | | | |
| Plint | 1 | 2 | |

TILLGÅNG 1x230VAC 10A

=

| | |
|---------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim. Nr. / ritad av | /TMH |

Vimatic
Automation

Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

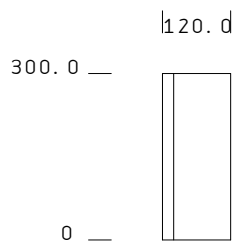
+UH1-XD1. 1

=
+UH1

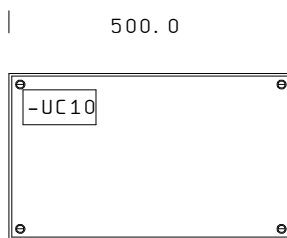
22-1965

| | |
|-----|-----|
| B1. | 141 |
| 141 | B1. |

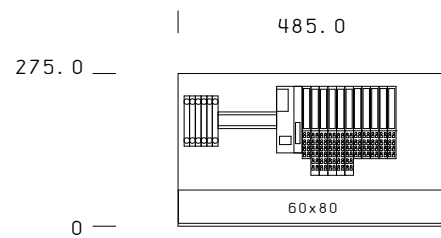
Sida



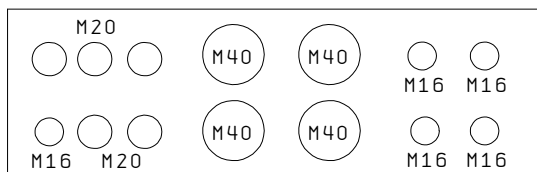
Front



Montageplåt
KL1569



M40



SKÅPSTYP :
KX1509.000

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

Vimatic
Automation

Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

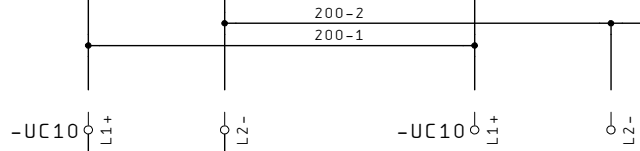
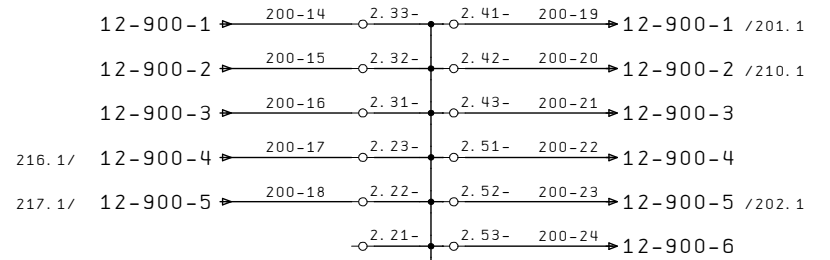
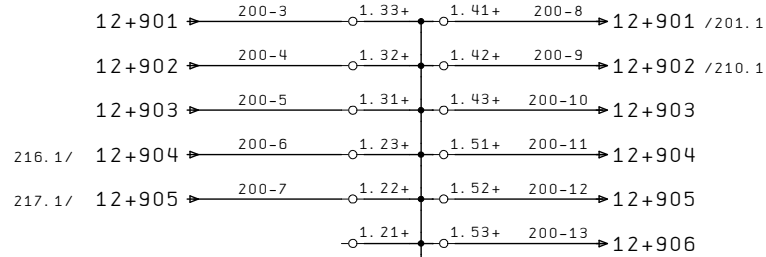
Layout box
+UC10

| | |
|---------|---------|
| = | |
| +UC10 | |
| 22-1965 | B1. 8 |
| | 227 B1. |

-UC10
-KF1

6ES7155-6AA01-0BNO 24VDC PROFINETMODUL ET200SP

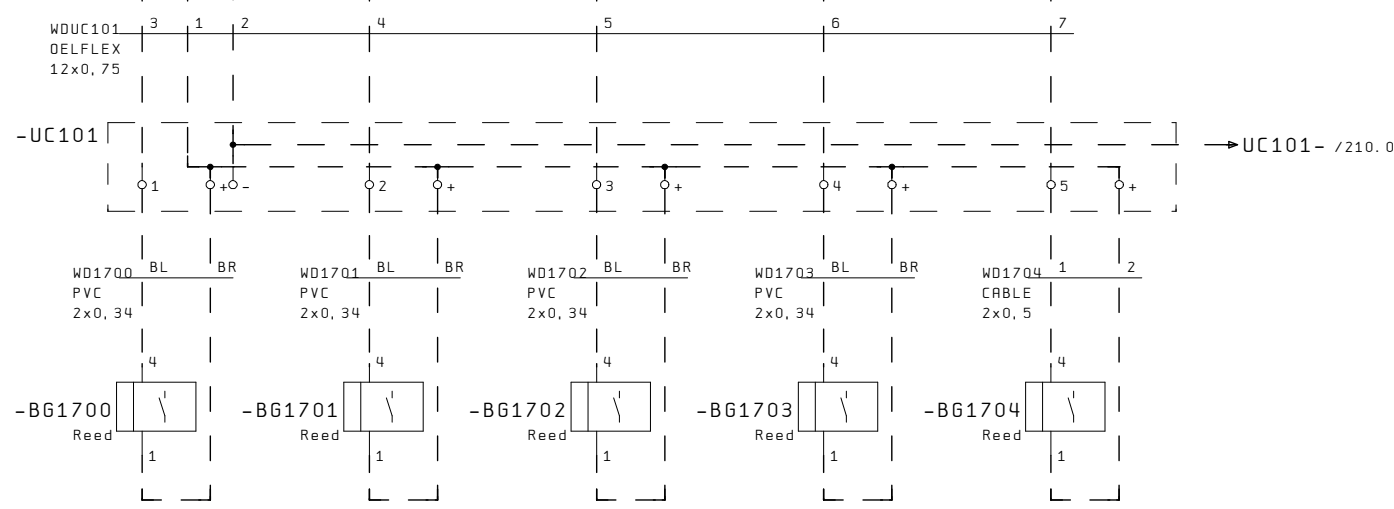
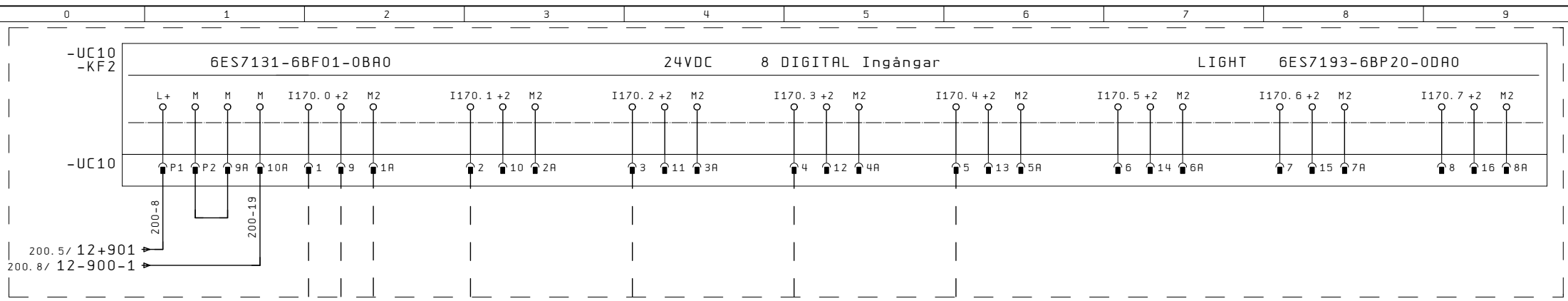
L+ M



+UH1/73.1/ UC10-24V

+UH1/73.1/ UC10-0V

24VDC
Tillgång från
El-skåp UH1



| | | | | |
|-------------------------------------|---|---|-------------------------------------|-------------------------------------|
| larm låg vatten nivå tvätt | Låg vatten nivå tvätt påfyllning till | Hög vatten nivå tvätt påfyllning från | larm hög vatten nivå tvätt | larm låg vatten nivå skölj |
|-------------------------------------|---|---|-------------------------------------|-------------------------------------|

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

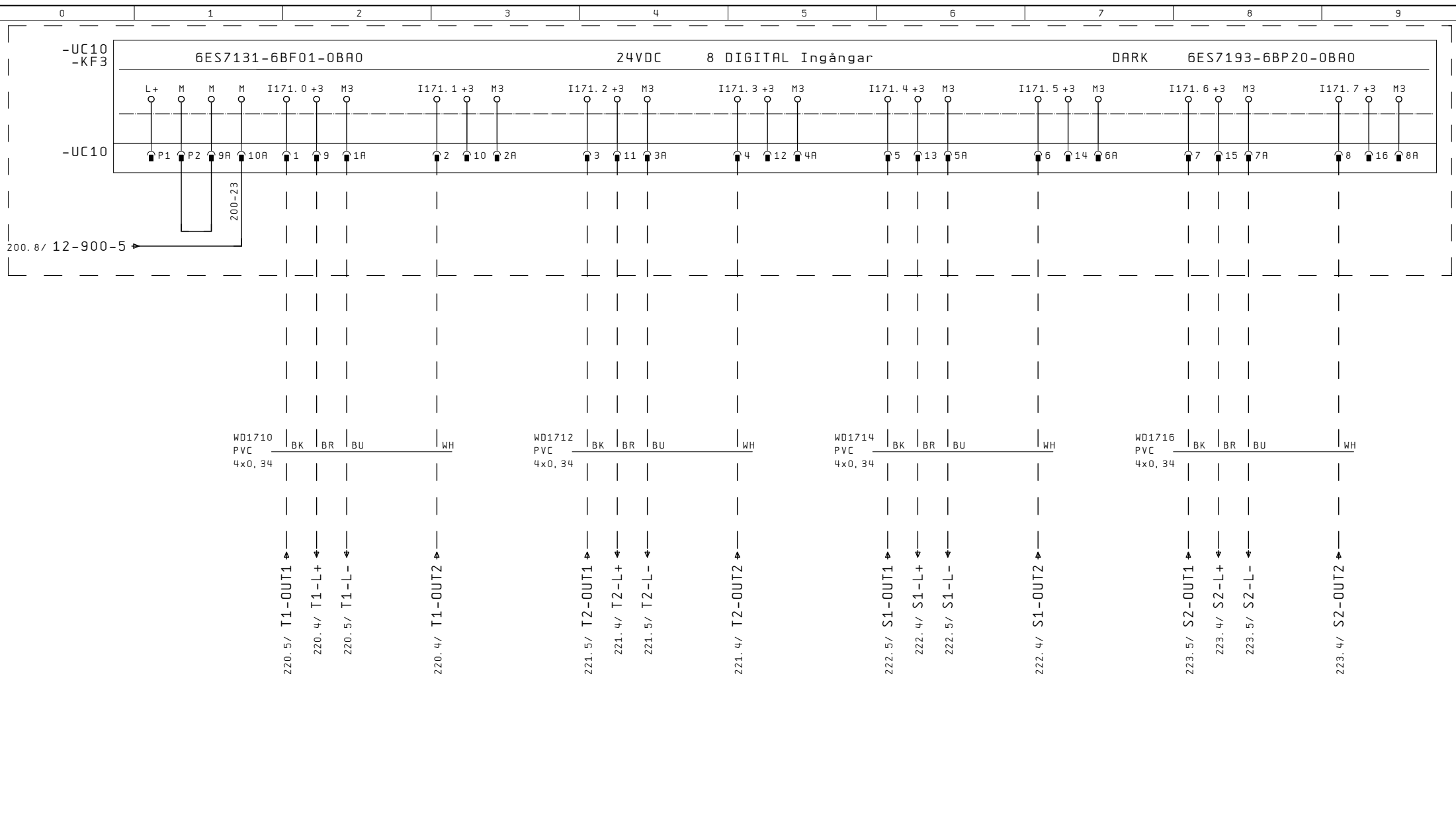
| | |
|---------------------------|---|
| Vimatic Automation | Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 |
|---------------------------|---|

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|-------------------|
| Nibe AB, markaryd |
|-------------------|

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|-------------|
| Tunneltvätt |
|-------------|

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|--|
| Tunnel -UC10: Manöverkrets Ingångar I170.1->I170.7 |
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| | |
|------------|---------|
| = +UC10 | B1. 201 |
| 22-1965 | 227 B1. |



Diff. tryck mätare
filter tvättpump 1

Diff. tryck mätare
filter tvättpump 2

Diff. tryck mätare
filter sköljpump 1

Diff. tryck mätare
filter sköljpump 2

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

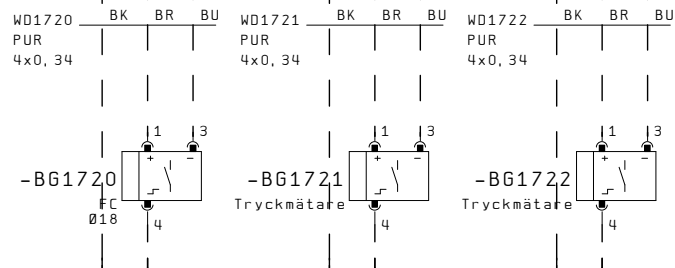
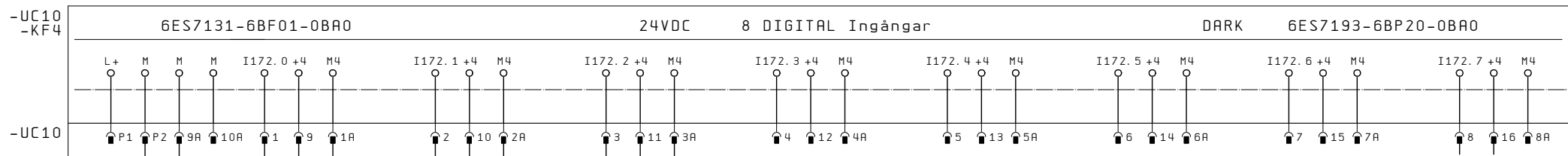
Vimatic Automation
 Alsikevej 15
 dk-8900 Randers
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

Tunnel -UC10:
 Manöverkrets
 Ingångar I171.0->I171.7

| | |
|----------------|-----|
| = | |
| +UC10 | |
| 22-1965 | |
| B1. | 202 |
| 227 | B1. |



Inbana
belagd

Låg
tryck
kalla
sida

Låg
tryck
värme
sida

24V
ok

bergvärme bergvärme

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

Vimatic
Automation

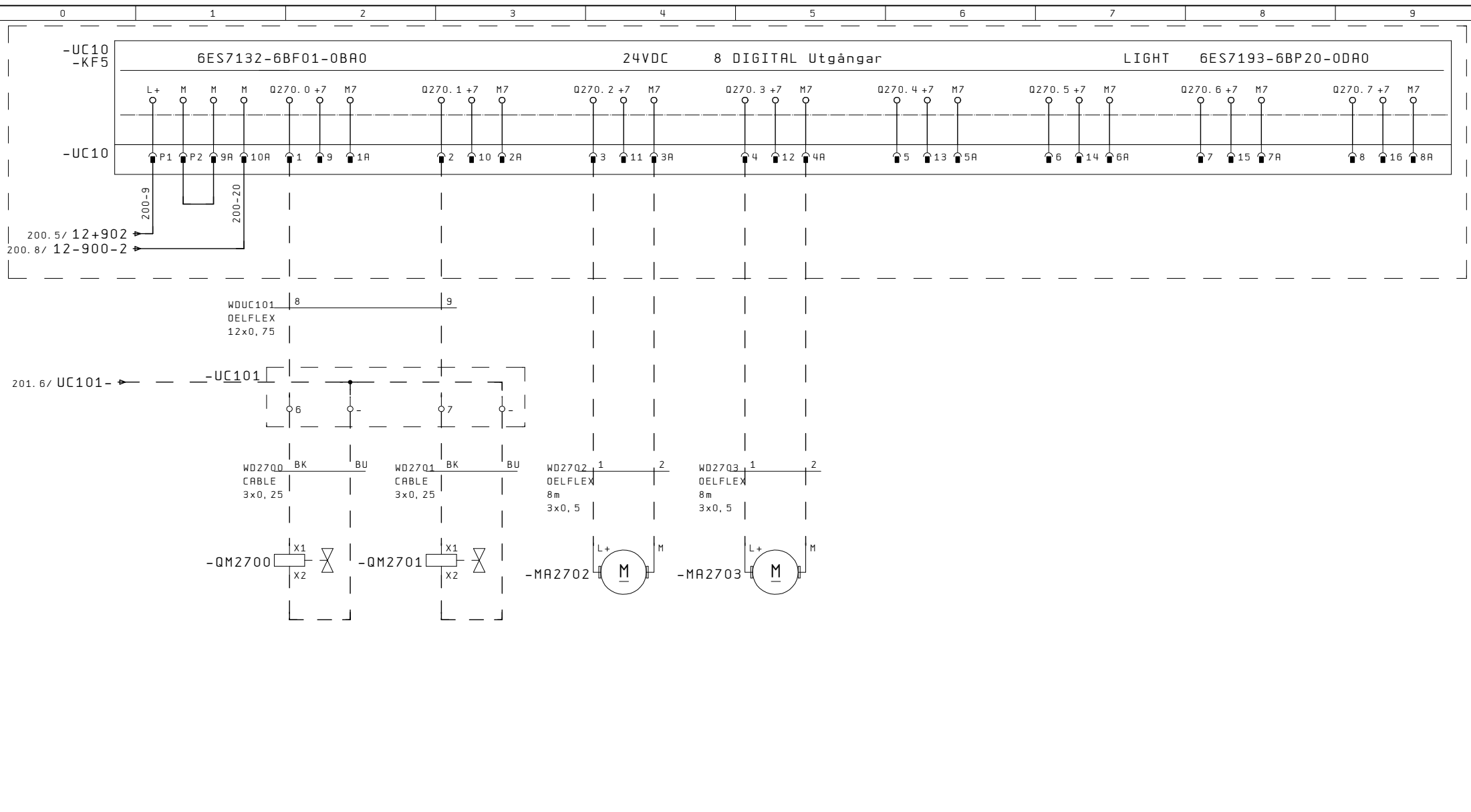
Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

Tunneltvätt

Tunnel -UC10:
Manöverkrets
Ingångar I172.0->I172.7

=
+UC10
22-1965



Vattenventil 1 skölj Vattenventil 2 skölj Tvätt doserpump Skölj doserpump

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

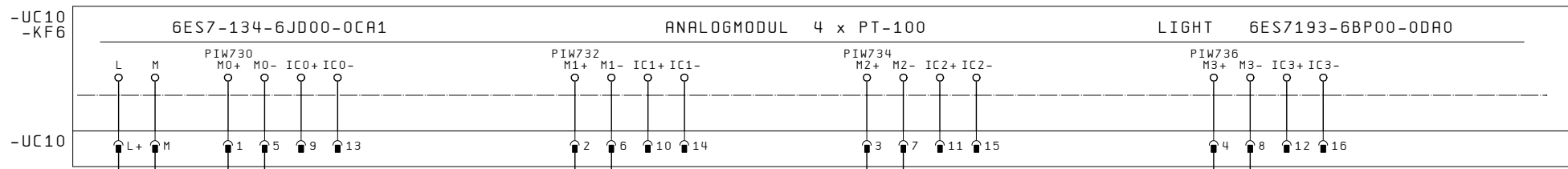
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|---------------------------|---|
| Vimatic Automation | Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 |
|---------------------------|---|

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| Nibe AB, markaryd |
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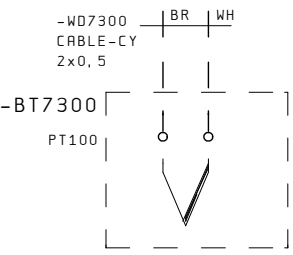
| |
|-------------|
| Tunneltvätt |
|-------------|

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| Tunnel -UC10: Manöverkrets Utgångar Q270.0->Q270.7 |
|--|

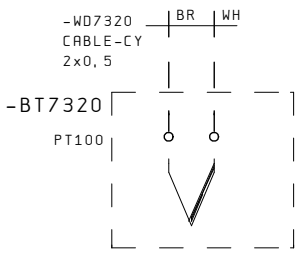
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| = | |
| +UC10 | |
| 22-1965 | B1. 210 227 B1. |



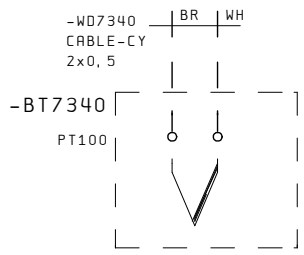
200.3/ 12+904
200.6/ 12-900-4



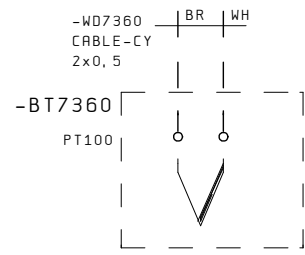
PT-100
vatten
tvättank



PT-100
vatten
tvättank
före elpatroner



PT-100
vatten
sköljtank



PT-100
vatten
sköljtank
före elpatroner

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|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

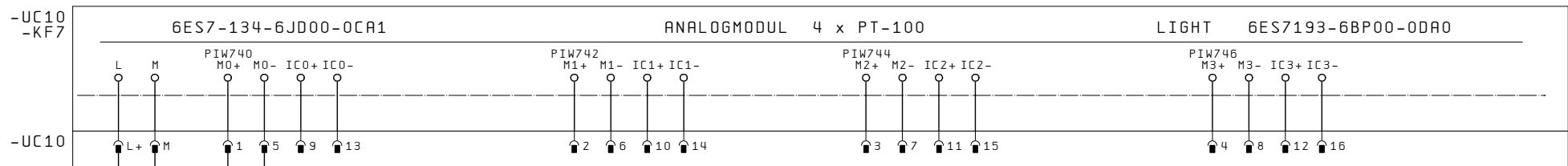
| | |
|---------------------------|---|
| Vimatic Automation | Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 |
|---------------------------|---|

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| Nibe AB, markaryd |
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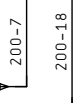
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| Tunneltvätt |
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| Tunnel -UC10: Manöverkrets PT100 |
|--|

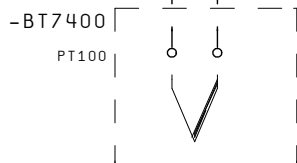
| | |
|----------------|--------------------|
| = | |
| +UC10 | |
| 22-1965 | B1. 216 227 B1. |



200.3/ 12+905
200.6/ 12-900-5



-WD7400
CABLE-CY
2x0,5



PT-100
Ackumulatorn
bergvärme

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

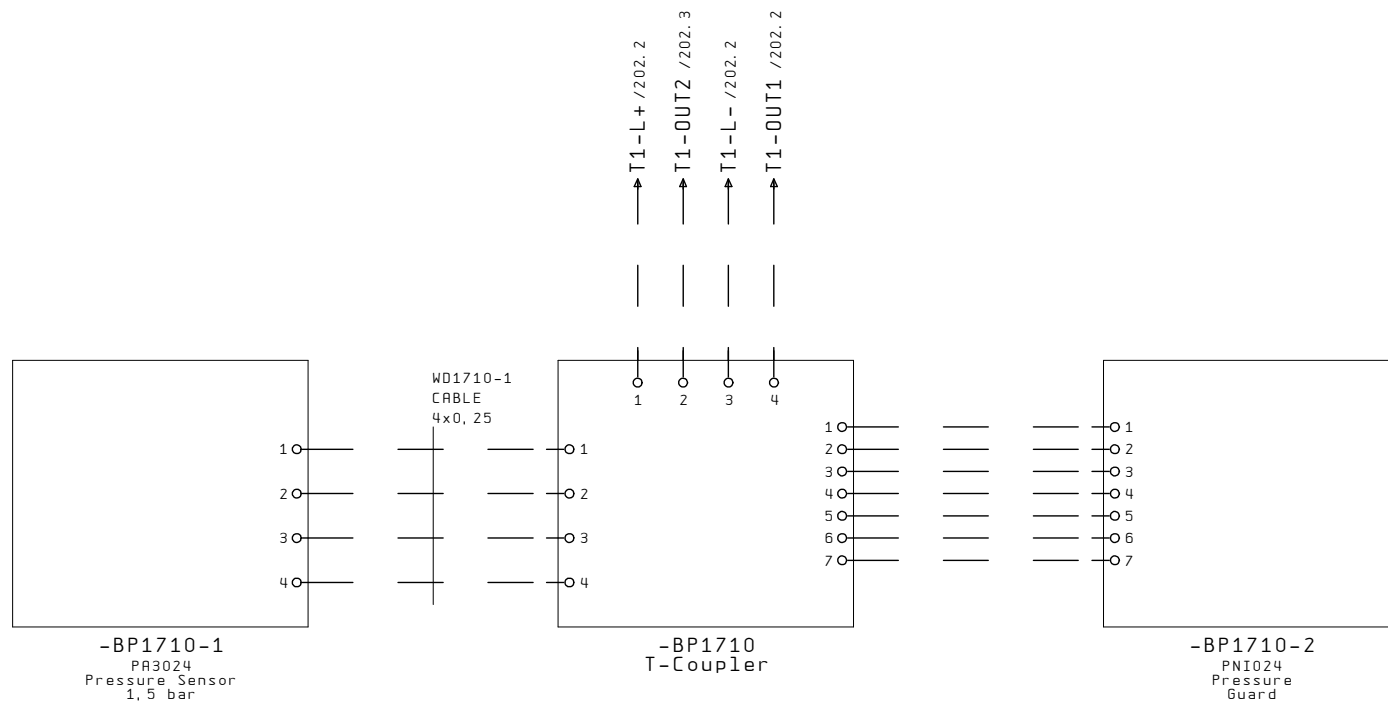
| | |
|-----------------------|------------------|
| Vimatic Automation | Alsikevej 15 |
| | dk-8900 Randers |
| | TLF: 86 40 10 88 |
| | FAX: 86 40 14 18 |

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| Nibe AB, markaryd |
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| Tunneltvätt |
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| Tunnel -UC10: Manöverkrets PT100 |
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| = | |
| +UC10 | |
| 22-1965 | B1. 217 |
| | 227 B1. |



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|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

Vimatic
Automation

Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

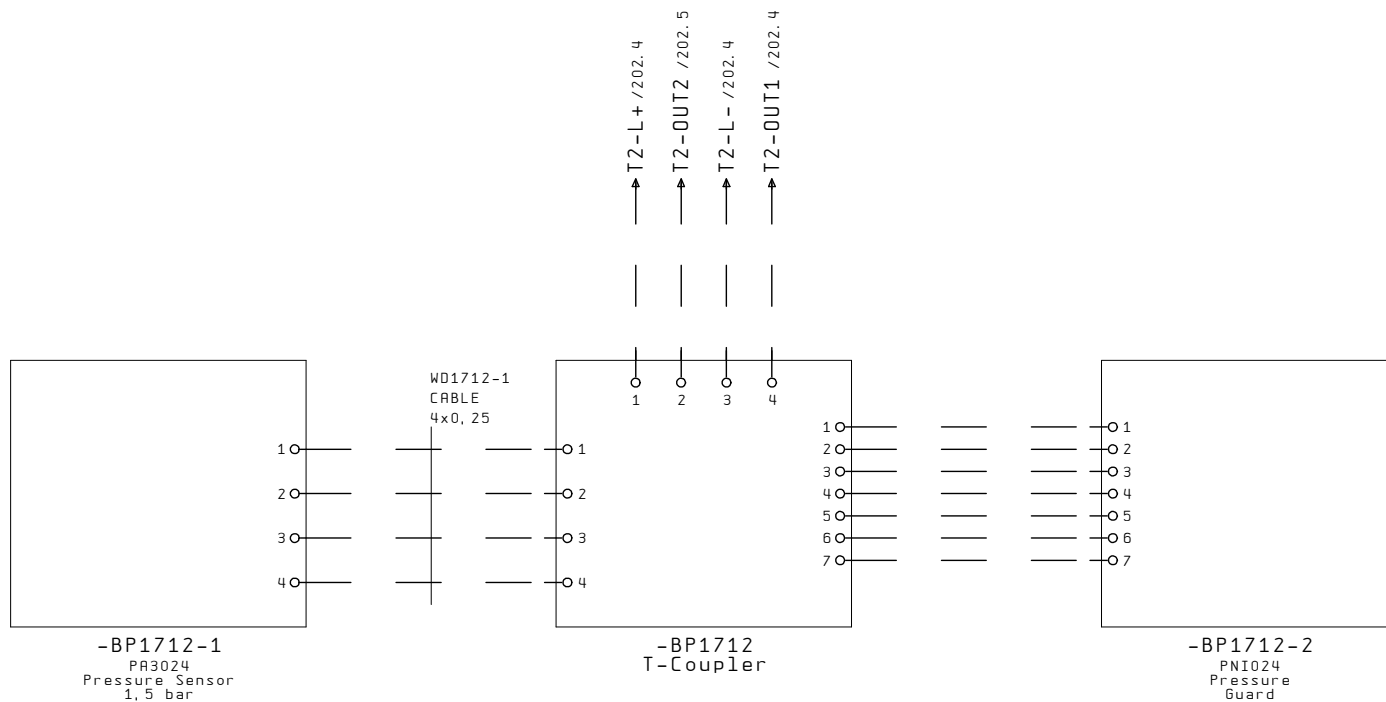
Tunneltvätt

Tunnel -UC10:
Diff. tryck mättare
filter tvättump 1

=
+UC10

22-1965

| | |
|-----|-----|
| B1. | 220 |
| 227 | B1. |



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|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

Vimatic
Automation

Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

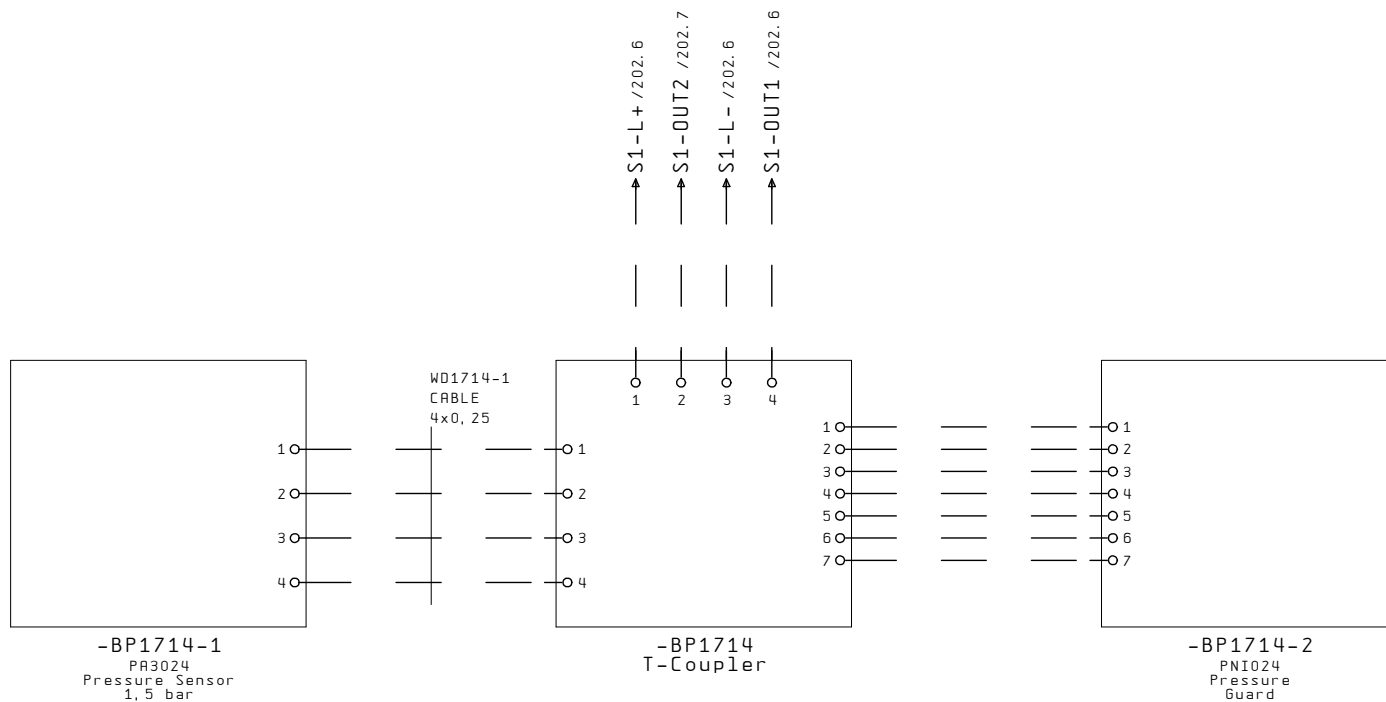
Tunneltvätt

Tunnel -UC10:
Diff. tryck mätare
filter tvättump 2

=
+UC10

22-1965

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|-----|-----|
| B1. | 221 |
| 227 | B1. |



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|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

Vimatic
Automation

Alsikevej 15
dk-8900 Randers
TLF: 86 40 10 88
FAX: 86 40 14 18

Nibe AB, markaryd

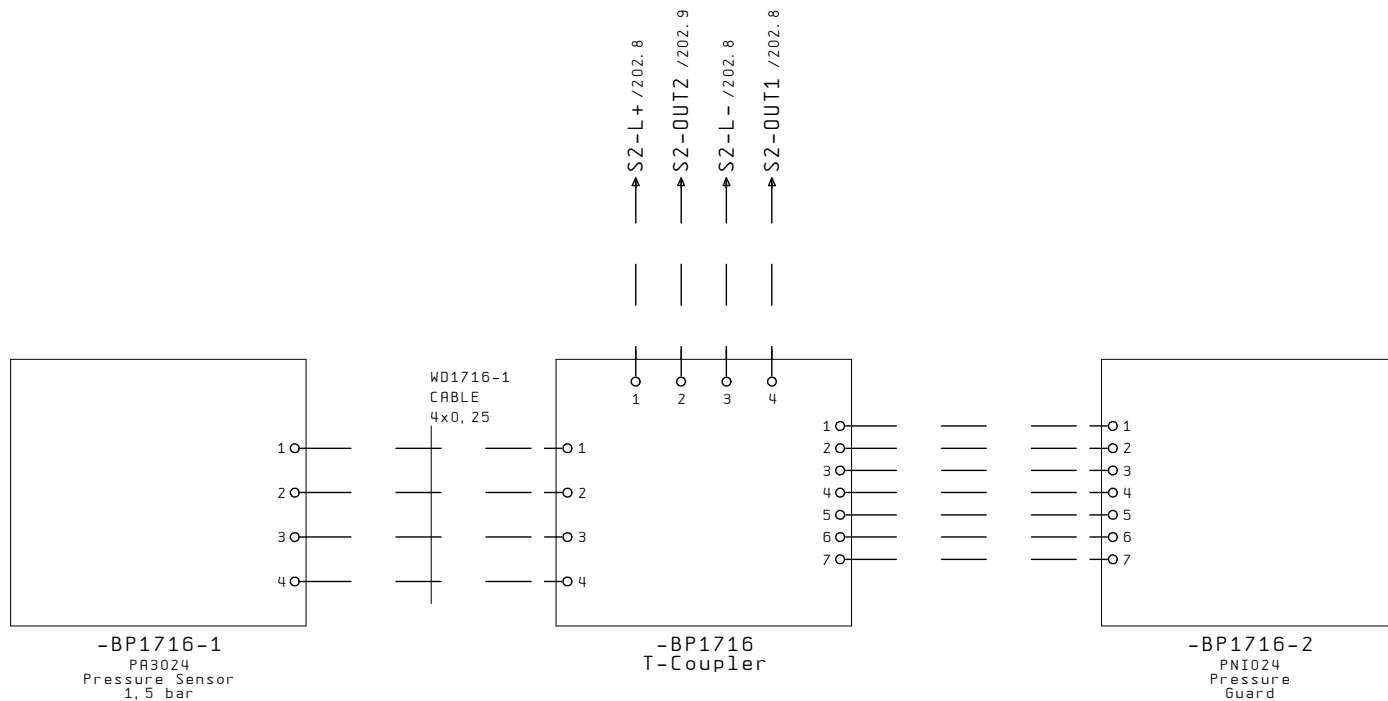
Tunneltvätt

Tunnel -UC10:
Diff. tryck mättare
filter sköljpump 1

=
+UC10

22-1965

| | |
|-----|-----|
| B1. | 222 |
| 227 | B1. |



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|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 10. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

Vimatic Automation
 Alsikevej 15
 dk-8900 Randers
 TLF: 86 40 10 88
 FAX: 86 40 14 18

Nibe AB, markaryd

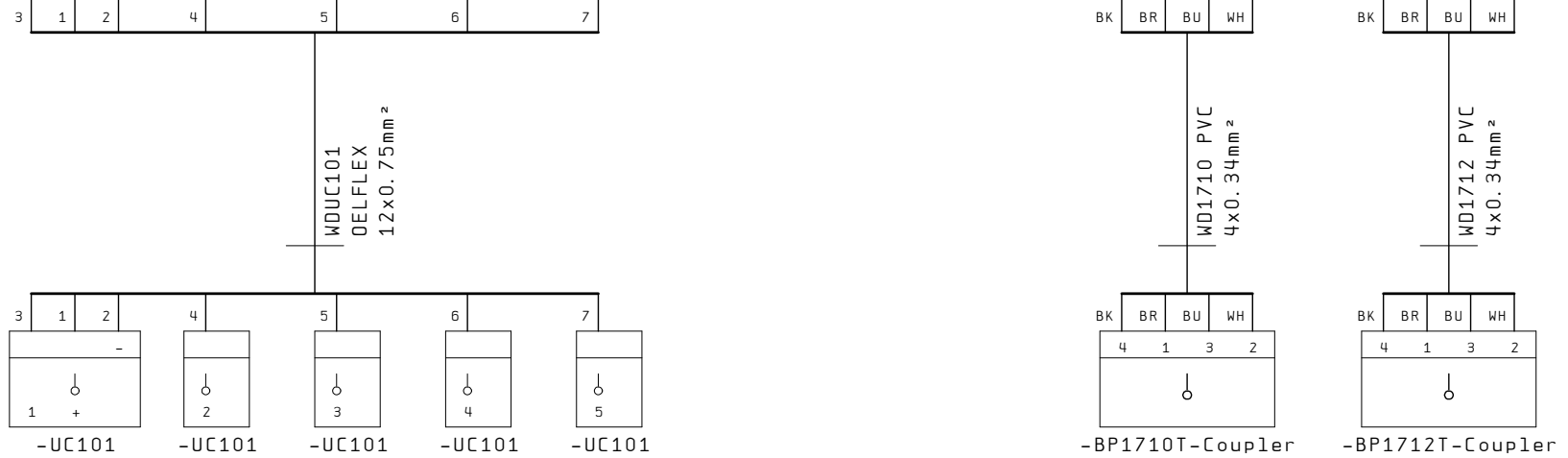
Tunneltvätt

Tunnel -UC10:
 Diff. tryck mättare
 filter skölj pump 2

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|---------|---------|
| = | |
| +UC10 | |
| 22-1965 | B1. 223 |
| | 227 B1. |

Plinträcka +UC10-UC10

| Sida/Str. | Lasker | PLC-Beteckning | Plint |
|-----------|--------|----------------|-------|
| /200.1 | | 24VDC | L1+ |
| /200.1 | | 0VDC | L2- |
| /200.2 | | 24VDC | L1+ |
| /200.3 | | 0VDC | L2- |
| /201.2 | | I170.0 | 1 |
| /201.2 | | +2 | 9 |
| /201.2 | | M2 | 1A |
| /201.3 | | I170.1 | 2 |
| /201.3 | | +2 | 10 |
| /201.3 | | M2 | 2A |
| /201.4 | | I170.2 | 3 |
| /201.4 | | +2 | 11 |
| /201.4 | | M2 | 3A |
| /201.5 | | I170.3 | 4 |
| /201.5 | | +2 | 12 |
| /201.5 | | M2 | 4A |
| /201.6 | | I170.4 | 5 |
| /201.6 | | +2 | 13 |
| /201.6 | | M2 | 5A |
| /201.7 | | I170.5 | 6 |
| /201.7 | | +2 | 14 |
| /201.7 | | M2 | 6A |
| /201.8 | | I170.6 | 7 |
| /201.8 | | +2 | 15 |
| /201.8 | | M2 | 7A |
| /201.9 | | I170.7 | 8 |
| /201.9 | | +2 | 16 |
| /201.9 | | M2 | 8A |
| /202.2 | | I171.0 | 1 |
| /202.2 | | +3 | 9 |
| /202.2 | | M3 | 1A |
| /202.3 | | I171.1 | 2 |
| /202.3 | | +3 | 10 |
| /202.3 | | M3 | 2A |
| /202.4 | | I171.2 | 3 |
| /202.4 | | +3 | 11 |
| /202.4 | | M3 | 3A |
| /202.5 | | I171.3 | 4 |
| /202.5 | | +3 | 12 |
| /202.5 | | M3 | 4A |



24VDC Tillgång från
E1-skåp UH1

larm låg vatten nivå
tvätt

Låg vatten nivå tvätt
påfyllning till

Hög vatten nivå tvätt
påfyllning från

larm hög vatten nivå
tvätt

larm låg vatten nivå
skölj

Diff. tryck mätare
filter tvättump 1

Diff. tryck mätare
filter tvättump 2

| | |
|------------------|---------------|
| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

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|---------------------------|---|
| Vimatic Automation | Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 |
|---------------------------|---|

Nibe AB, markaryd

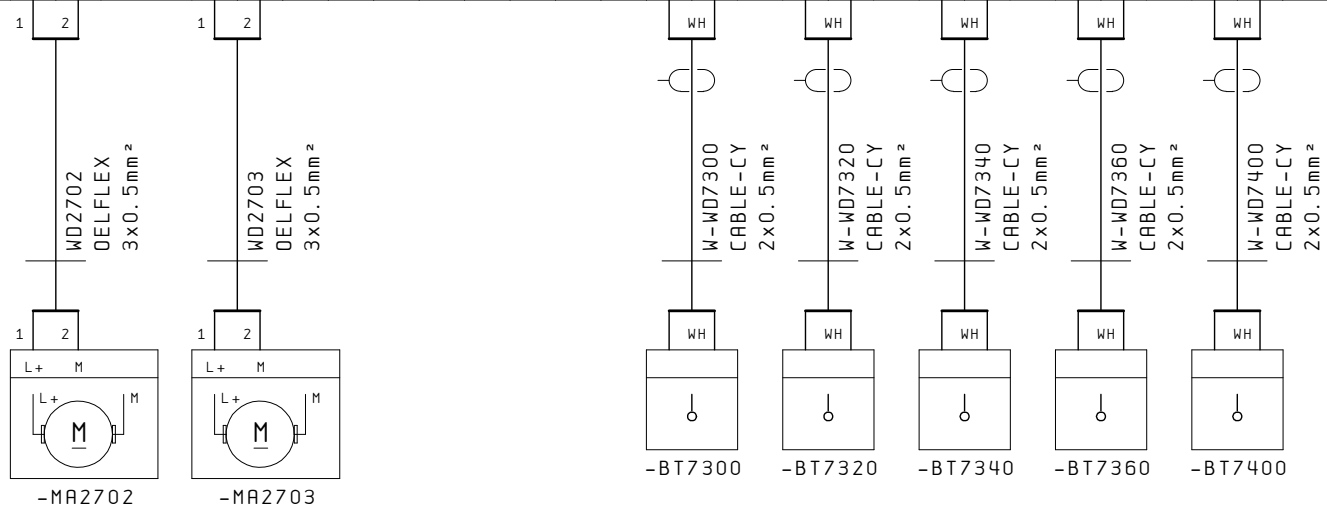
Tunneltvätt

-UC10 Kopplingslåda tunnel

| | |
|-----|----------------|
| = | +UC10 |
| | 22-1965 |
| B1. | 224 |
| | 227 B1. |

Plinträcka +UC10-UC10

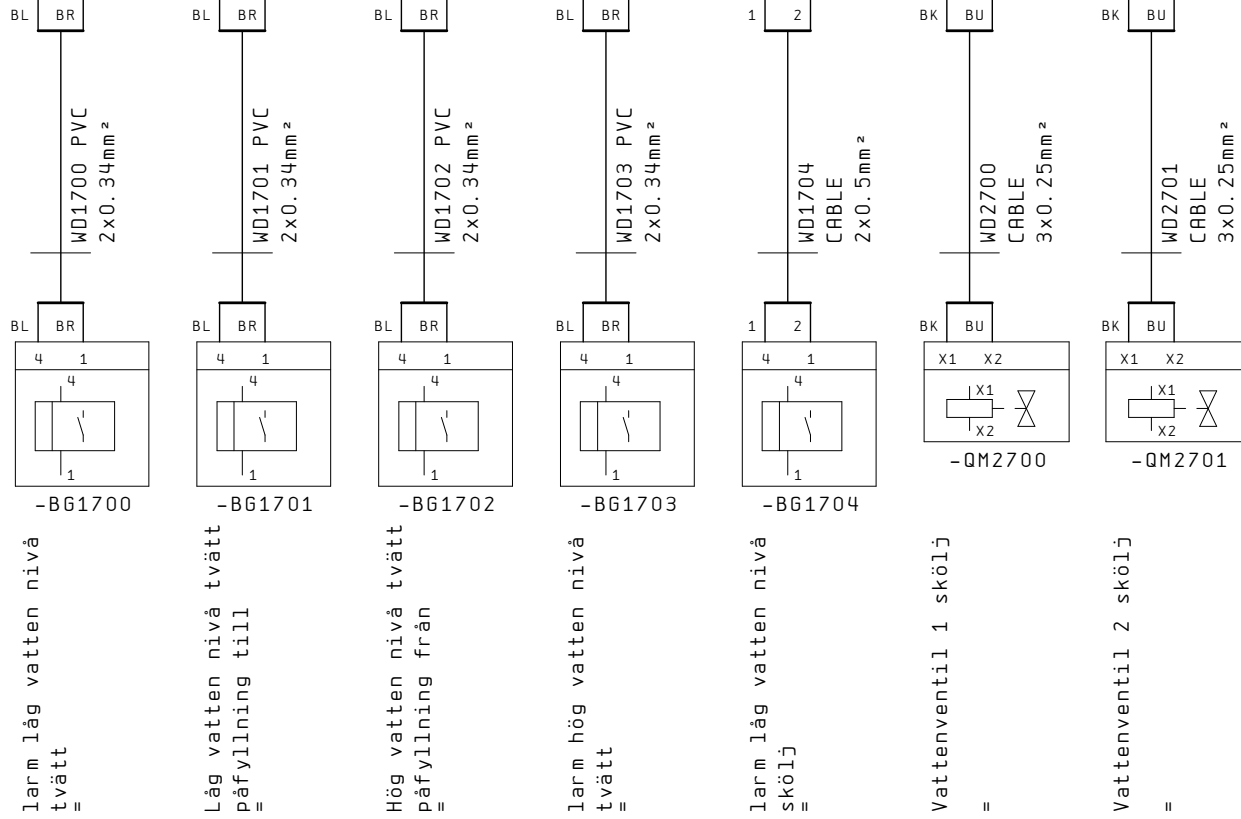
| Sida/Str. | Lasker | PLC-Beteckning | Plint |
|-----------|--------|----------------|-------|
| /210.4 | | Q270.2 | 3 |
| /210.4 | | M7 | 3A |
| /210.5 | | Q270.3 | 4 |
| /210.5 | | M7 | 4A |
| /210.6 | | Q270.4 | 5 |
| /210.6 | | M7 | 5A |
| /210.7 | | Q270.5 | 6 |
| /210.7 | | M7 | 6A |
| /210.8 | | Q270.6 | 7 |
| /210.8 | | M7 | 7A |
| /210.9 | | Q270.7 | 8 |
| /210.9 | | M7 | 8A |
| /216.1 | | PIW730 | 1 |
| /216.1 | | M0- | 5 |
| /216.3 | | PIW732 | 2 |
| /216.3 | | M1- | 6 |
| /216.5 | | PIW734 | 3 |
| /216.5 | | M2- | 7 |
| /216.7 | | PIW736 | 4 |
| /216.7 | | M3- | 8 |
| /217.1 | | PIW740 | 1 |
| /217.1 | | M0- | 5 |
| /217.3 | | PIW742 | 2 |
| /217.3 | | M1- | 6 |
| /217.5 | | PIW744 | 3 |
| /217.5 | | M2- | 7 |
| /217.7 | | PIW746 | 4 |
| /217.7 | | M3- | 8 |



- Tvätt doserpump =
- Skölj doserpump =
- PT-100 vatten tvättank =
- PT-100 vatten tvättank före =
- PT-100 vatten sköljtank =
- PT-100 vatten sköljtank före =
- PT-100 Ackumulatorn bergvärme =

Plinträcka +UC10-UC101

| Sida/Str. | /201.2 | | /201.3 | | /201.4 | | /201.5 | | /201.6 | | /210.2 | | /210.3 | |
|----------------|--------|----|--------|---|--------|---|--------|---|--------|---|--------|---|--------|---|
| Lasker | | | | | | | | | | | | | | |
| PLC-Beteckning | I170.0 | +2 | I170.1 | | I170.2 | | I170.3 | | I170.4 | | Q270.0 | | Q270.1 | |
| Plint | 1 | + | 2 | + | 3 | + | 4 | + | 5 | + | 6 | - | 7 | - |



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| Start datum | 17. Maj. 2022 |
| Sida rev. | 04. Jun. 2024 |
| Plot datum | 10. Jun. 2024 |
| Vim.Nr./ritad av | /TMH |

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|---------------------------|---|
| Vimatic Automation | Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 |
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|-------------------|
| Nibe AB, markaryd |
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| Tunneltvätt |
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|-------------|
| +UC10-UC101 |
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|----------------|--------------------|
| = | |
| +UC10 | |
| 22-1965 | B1. 227 227 B1. |

Stycklista

WUP0008K 22.04.96

| Komponent pos. nr. | Styck | Sida/ str. | Beteckning | Typ nummer | Fabrikant Leverantör | Artikelnummer Funktionstext |
|--------------------|-------|---------------|--|--------------------------|----------------------------------|--------------------------------|
| +UH1-EL-CABINETUH1 | 1 | 1 | +UH1/10. d SKÅP 1200x2000x500 | VX8205.000 VX8205.000 | RITTAL RITTAL | RIT. VX8205.000 1 |
| +UH1-EL-CABINETUH1 | 1 | 1 | +UH1/10. d SIDAVÄG 2000x500 | VX8105.245 VX8105.245 | RITTAL RITTAL | RIT. VX8105.245 2 |
| +UH1-EL-CABINETUH1 | 1 | 1 | +UH1/10. d SOKKEL FRONT/BACK B: 1200 | VX8640.025 VX8640.025 | RITTAL RITTAL | RIT. VX8640.025 3 |
| +UH1-EL-CABINETUH1 | 2 | 1 | +UH1/10. d SOKKEL SIDA D: 500 | VX8640.042 VX8640.042 | RITTAL RITTAL | RIT. VX8640.042 4 |
| +UH1-EL-CABINETUH1 | 1 | 1 | +UH1/10. d CABEL TRAY B: 1200 | VX8618.803 VX8618.803 | RITTAL RITTAL | RIT. VX8618.803 5 |
| +UH1-UC10 | 1 | 1 | +UH1/10. d SKAB 500x300x120 | KL1509 KL1509 | RITTAL | RIT. KL1509 6 |
| +UH1-QB1 | 1 | 1 | +UH1/10. d LASTBRYTAR 4P. 250A | 31107 31107 | MERLIN GERIN GROUPE SCHNEIDER | MER. 31107 7 |
| +UH1-QB1 | 1 | 1 | +UH1/10. d KLEMMER F/MAKS. AFBR. 4P. | LV429260 LV429260 | MERLIN GERIN SOLAR | MER. LV429260 8 |
| +UH1-QB1 | 1 | 1 | +UH1/10. d KLEMMER F/MAKS. AFBR. 4P. | LV429249 LV429249 | MERLIN GERIN SOLAR | MER. LV429249 9 |
| +UH1-QB1 | 2 | 1 | +UH1/10. d TERMINAL SHIELDS | 29324 29324 | MERLIN GERIN GROUPE SCHNEIDER | MER. 29324 10 |
| +UH1-QB1 | 1 | 1 | +UH1/10. d OMVANDLER FRONT TILL SIDA MONT. | 31054 31054 | MERLIN GERIN | MER. 31054 11 |
| +UH1-QB1 | 1 | 1 | +UH1/10. d VRIDHANDTAG+KOBLING SIDAMONT. | 31057 31057 | MERLIN GERIN | MER. 31057 12 |
| +UH1-XG10.1 | 1 | 1 | +UH1/10. d DISTRIBUTIONSBLOK 400A 1P | UD 400A UD 400A | ERICO ERICO | ERI. UD 400A UD 400A 13 |
| +UH1-XG10.2 | 1 | 1 | +UH1/10. d DISTRIBUTIONSBLOK 400A 1P | UD 400A UD 400A | ERICO ERICO | ERI. UD 400A UD 400A 14 |
| +UH1-XG10.3 | 1 | 1 | +UH1/10. d DISTRIBUTIONSBLOK 400A 1P | UD 400A UD 400A | ERICO ERICO | ERI. UD 400A UD 400A 15 |
| +UH1-QB2 | 1 | 1 | +UH1/12. d HUVUDBRYTARE 3P 25 A | VBFO VBFO | TELEMECANIQUE SOLAR | TEL. VBFO 16 |
| +UH1-FC50 | 1 | 1 | +UH1/12. d 2POL. HPFI 25A 30mA | A9Y80625 A9Y80625 | TELEMECANIQUE SOLAR | TEL. A9Y80625 17 |
| +UH1-FC50 | 1 | 1 | +UH1/12. d Auto Säk. 10A 1P+N | A9P54610 A9P54610 | TELEMECANIQUE SOLAR | TEL. A9P54610 18 |
| +UH1-FC50 | 1 | 1 | +UH1/12. d Hj. block f/Auto Säk. | A9N26904 A9N26904 | TELEMECANIQUE SOLAR | TEL. A9N26904 19 |
| +UH1-XG1 | 1 | 1 | +UH1/12. d STIKKONTAKT | 5TE6800 5TE6800 | SIEMENS SOLAR | SIE. 5TE6800 20 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--------------------|-------|---------------|---|--|-----------------------------------|----------------------------------|---|----|-------------------|
| Stycklista | | | | | | | | | WUP0008K 22.04.96 |
| Komponent pos. nr. | Styck | Sida/ str. | Beteckning | Typ nummer | Fabrikant Leverantör | Artikelnummer Funktionstext | | | |
| +UH1-ER1 | 1 | +UH1/12. | 3 Skåpljus 5W 230V | 02541.0-00 02541.0-00 | | SOLAR.02541.0-00 | | 21 | |
| +UH1-ER1 | 1 | +UH1/12. | 3 Kabel till skåpljus 5W 230V | 244356 244356 | | SOLAR.244356 | | 22 | |
| +UH1-BT1 | 1 | +UH1/12. | 4 Tempertur mätning 1 NO. | NSYCC0TH0 NSYCC0TH0 | SCHNEIDER | SCHN.NSYCC0TH0 | | 23 | |
| +UH1-MA1 | 1 | +UH1/12. | 4 230VAC Ventilator 125X125mm 85m3 | NSYCVF85M230PF NSYCVF85M230PF | SCHNEIDER | SCHN.NSYCVF85M230PF | | 24 | |
| +UH1-MA1 | 1 | +UH1/12. | 4 Filter till ventilator 125X125mm 85m3 | NSYCA6125LPP NSYCA6125LPP | SCHNEIDER | SCHN.NSYCA6125LPP | | 25 | |
| +UH1-FC200 | 1 | +UH1/14. | 1 MOTORSKYDDBR. 13-18A | GV2ME20 GV2ME20 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GV2ME20 Tvättump 1 | | 26 | |
| +UH1-FC200 | 1 | +UH1/14. | 1 HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GVAE11 Tvättump 1 | | 27 | |
| +UH1-FC201 | 1 | +UH1/14. | 3 MOTORSKYDDBR. 13-18A | GV2ME20 GV2ME20 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GV2ME20 Tvättump 2 | | 28 | |
| +UH1-FC201 | 1 | +UH1/14. | 3 HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GVAE11 Tvättump 2 | | 29 | |
| +UH1-FC202 | 1 | +UH1/14. | 5 MOTORSKYDDBR. 13-18A | GV2ME20 GV2ME20 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GV2ME20 Sköljump 1 | | 30 | |
| +UH1-FC202 | 1 | +UH1/14. | 5 HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GVAE11 Sköljump 1 | | 31 | |
| +UH1-FC203 | 1 | +UH1/14. | 7 MOTORSKYDDBR. 13-18A | GV2ME20 GV2ME20 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GV2ME20 Sköljump 2 | | 32 | |
| +UH1-FC203 | 1 | +UH1/14. | 7 HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GVAE11 Sköljump 2 | | 33 | |
| +UH1-FC204 | 1 | +UH1/15. | 1 MOTORSKYDDBR. 1,6-2,5A | GV2ME07 GV2ME07 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GV2ME07 Tömningsump | | 34 | |
| +UH1-FC204 | 1 | +UH1/15. | 1 HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GVAE11 Tömningsump | | 35 | |
| +UH1-FC43 | 1 | +UH1/15. | 3 3POL.+N AUTOMATSIK.32A | A9F04732 A9F04732 | TELEMECANIQUE SOLAR | TEL.A9F04732 Bergvärmepump | | 36 | |
| +UH1-FC43 | 1 | +UH1/15. | 3 Hj.blok f/Auto Sik. | A9A26924 A9A26924 | TELEMECANIQUE SOLAR | TEL.A9A26924 Bergvärmepump | | 37 | |
| +UH1-TA60 | 1 | +UH1/21. | 2 VLT G120C 4KW | 6SL3210-1KE18-8AF1 6SL3210-1KE18-8AF1 | SIEMENS SOLAR | SIE.6SL3210-1KE18-8AF1 | | 38 | |
| +UH1-TA60 | 1 | +UH1/21. | 2 BOP-2 basic panel till G120C | 6SL3255-0AA00-4CA1 6SL3255-0AA00-4CA1 | SIEMENS SOLAR | SIE.6SL3255-0AA00-4CA1 | | 39 | |
| +UH1-FC60 | 1 | +UH1/21. | 3 MOTORSKYDDBR. 9,0-14A | GV2ME16 GV2ME16 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GV2ME16 Evakuerings fläkt | | 40 | |

| | | | | | | | | | |
|---|------------------|---------------|---|-------------------|-------------|------------|-------------|--|--------|
| 1 | Start datum | 17. Maj. 2022 | Vimatic Automation Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 | Nibe AB, markaryd | Tunneltvätt | Stycklista | = | | |
| | Sida rev. | 10. Jun. 2024 | | | | | +STYCKLISTA | | |
| | Plot datum | 10. Jun. 2024 | | | | | 22-1965 | | B1. 2 |
| | Vim.Nr./ritad av | /TMH | | | | | | | 10 B1. |

Stycklista

WUP0008K 22.04.96

| Komponent pos. nr. | Styck | Sida/ str. | Beteckning | Typ nummer | Fabrikant Leverantör | Artikelnummer Funktionstext |
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| +UH1-FC60 | 1 | +UH1/21. | HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. GVAE11 41 Evakuerings fläkt |
| +UH1-TA61 | 1 | +UH1/22. | VLT G120C 7,5KW | 6SL3210-1KE21-7AF1 6SL3210-1KE21-7AF1 | SIEMENS SOLAR | SIE. 6SL3210-1KE21-7AF1 42 |
| +UH1-TA61 | 1 | +UH1/22. | BOP-2 basic panel till G120C | 6SL3255-0AA00-4CA1 6SL3255-0AA00-4CA1 | SIEMENS SOLAR | SIE. 6SL3255-0AA00-4CA1 43 |
| +UH1-FC61 | 1 | +UH1/22. | MOTORSKYDDBR. 13-18A | GV2ME20 GV2ME20 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. GV2ME20 44 Avbläsnings fläkt |
| +UH1-FC61 | 1 | +UH1/22. | HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. GVAE11 45 Avbläsnings fläkt |
| +UH1-TA62 | 1 | +UH1/23. | VLT G120C 0,55KW | 6SL3210-1KE11-8AF2 6SL3210-1KE11-8AF2 | SIEMENS SOLAR | SIE. 6SL3210-1KE11-8AF2 46 |
| +UH1-TA62 | 1 | +UH1/23. | BOP-2 basic panel till G120C | 6SL3255-0AA00-4CA1 6SL3255-0AA00-4CA1 | SIEMENS SOLAR | SIE. 6SL3255-0AA00-4CA1 47 |
| +UH1-FC62 | 1 | +UH1/23. | MOTORSKYDDBR. 6,0-10A | GV2ME14 GV2ME14 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. GV2ME14 48 Transportör |
| +UH1-FC62 | 1 | +UH1/23. | HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. GVAE11 49 Transportör |
| +UH1-FC3 | 1 | +UH1/40. | MOTORSKYDDBR. 6,0-10A | GV2ME14 GV2ME14 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. GV2ME14 50 |
| +UH1-TA1 | 1 | +UH1/40. | STRØMFORSYNING 400/24VDC 20A | 6EP1436-2BA10 6EP1436-2BA10 | SIEMENS SOLAR | SIE. 6EP1436-2BA10 51 |
| +UH1-FC246 | 1 | +UH1/41. | 1P+N AUTOMATSIK. 2A | A9F04602 A9F04602 | TELEMECANIQUE SOLAR | TEL. A9F04602 52 Oljeseparator tvätt |
| +UH1-FC246 | 1 | +UH1/41. | Hj. block f/Auto Säk. | A9A26904 A9A26904 | TELEMECANIQUE SOLAR | TEL. A9A26904 53 Oljeseparator tvätt |
| +UH1-FC247 | 1 | +UH1/41. | 1P+N AUTOMATSIK. 2A | A9F04602 A9F04602 | TELEMECANIQUE SOLAR | TEL. A9F04602 54 Cirkulationspump bergvärme |
| +UH1-FC247 | 1 | +UH1/41. | Hj. block f/Auto Säk. | A9A26904 A9A26904 | TELEMECANIQUE SOLAR | TEL. A9A26904 55 Cirkulationspump bergvärme |
| +UH1-50X1 | 1 | +UH1/50. | UL Skinne holder 3P. 60mm RiLine | SV9340.050 SV9340.050 | RITTAL RITTAL | RIT. SV9340.050 56 |
| +UH1-50X1 | 1 | +UH1/50. | Endeafd. för SV9340.000 RiLine | SV9340.070 SV9340.070 | RITTAL RITTAL | RIT. SV9340.070 57 |
| +UH1-50X1 | 1 | +UH1/50. | Bundprofil RiLine 3P. | SV9340.100 SV9340.100 | RITTAL RITTAL | RIT. SV9340.100 58 |
| +UH1-50X1 | 1 | +UH1/50. | Kobberskinne 20x5mm 4m | SESVCU20X5 SESVCU20X5 | RITTAL RITTAL | RIT. SESVCU20X5 59 |
| +UH1-50X1 | 1 | +UH1/50. | Avdäkningsprofil L=700mm RiLine | SV9340.200 SV9340.200 | RITTAL RITTAL | RIT. SV9340.200 60 |

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|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|

Stycklista

WUP0008K 22.04.96

| Komponent pos. nr. | Styck | Sida/ str. | Beteckning | Typ nummer | Fabrikant Leverantör | Artikelnummer Funktionstext | |
|--------------------|-------|---------------|-------------------------------------|--------------------------|-----------------------------------|--|----|
| +UH1-50X1 | 1 | +UH1/50. | 1 Adapter 250Amp 3P. RiLine | SV9342.250 SV9342.250 | RITTAL RITTAL | RIT.SV9342.250 | 61 |
| +UH1-50X2 | 1 | +UH1/50. | 2 Adapter 40Amp 1 din skinne RiLine | SV9340.720 SV9340.720 | RITTAL RITTAL | RIT.SV9340.720 | 62 |
| +UH1-FC220 | 1 | +UH1/50. | 2 MOTORSKYDDBR. 25-32A | GV2ME32 GV2ME32 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GV2ME32 Värme 1 tvätt steg 1 15KW | 63 |
| +UH1-FC220 | 1 | +UH1/50. | 2 HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GVAE11 Värme 1 tvätt steg 1 15KW | 64 |
| +UH1-FC220 | 1 | +UH1/50. | 2 SAMLEBESLAG GV2-LC1D | GV2AF3 GV2AF3 | TELEMECANIQUE SOLAR | TEL.GV2AF3 Värme 1 tvätt steg 1 15KW | 65 |
| +UH1-50X3 | 1 | +UH1/50. | 3 Adapter 40Amp 1 din skinne RiLine | SV9340.720 SV9340.720 | RITTAL RITTAL | RIT.SV9340.720 | 66 |
| +UH1-FC221 | 1 | +UH1/50. | 3 MOTORSKYDDBR. 25-32A | GV2ME32 GV2ME32 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GV2ME32 Värme 2 tvätt steg 1 15KW | 67 |
| +UH1-FC221 | 1 | +UH1/50. | 3 HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GVAE11 Värme 2 tvätt steg 1 15KW | 68 |
| +UH1-FC221 | 1 | +UH1/50. | 3 SAMLEBESLAG GV2-LC1D | GV2AF3 GV2AF3 | TELEMECANIQUE SOLAR | TEL.GV2AF3 Värme 2 tvätt steg 1 15KW | 69 |
| +UH1-50X4 | 1 | +UH1/50. | 5 Adapter 40Amp 1 din skinne RiLine | SV9340.720 SV9340.720 | RITTAL RITTAL | RIT.SV9340.720 | 70 |
| +UH1-FC222 | 1 | +UH1/50. | 5 MOTORSKYDDBR. 25-32A | GV2ME32 GV2ME32 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GV2ME32 Värme 3 tvätt steg 1 15KW | 71 |
| +UH1-FC222 | 1 | +UH1/50. | 5 HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GVAE11 Värme 3 tvätt steg 1 15KW | 72 |
| +UH1-FC222 | 1 | +UH1/50. | 5 SAMLEBESLAG GV2-LC1D | GV2AF3 GV2AF3 | TELEMECANIQUE SOLAR | TEL.GV2AF3 Värme 3 tvätt steg 1 15KW | 73 |
| +UH1-50X5 | 1 | +UH1/50. | 7 Adapter 40Amp 1 din skinne RiLine | SV9340.720 SV9340.720 | RITTAL RITTAL | RIT.SV9340.720 | 74 |
| +UH1-FC223 | 1 | +UH1/50. | 7 MOTORSKYDDBR. 25-32A | GV2ME32 GV2ME32 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GV2ME32 Värme 1 skölj steg 2 15KW | 75 |
| +UH1-FC223 | 1 | +UH1/50. | 7 HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GVAE11 Värme 1 skölj steg 2 15KW | 76 |
| +UH1-FC223 | 1 | +UH1/50. | 7 SAMLEBESLAG GV2-LC1D | GV2AF3 GV2AF3 | TELEMECANIQUE SOLAR | TEL.GV2AF3 Värme 1 skölj steg 2 15KW | 77 |
| +UH1-51X1 | 1 | +UH1/51. | 1 Adapter 40Amp 1 din skinne RiLine | SV9340.720 SV9340.720 | RITTAL RITTAL | RIT.SV9340.720 | 78 |
| +UH1-FC224 | 1 | +UH1/51. | 1 MOTORSKYDDBR. 25-32A | GV2ME32 GV2ME32 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GV2ME32 Värme 2 skölj steg 2 15KW | 79 |
| +UH1-FC224 | 1 | +UH1/51. | 1 HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL.GVAE11 Värme 2 skölj steg 2 15KW | 80 |

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|---|------------------|---------------|---|-------------------|-------------|------------|---|-------------|-------|-----|
| 3 | Start datum | 17. Maj. 2022 | Vimatic Automation Alsikevej 15 dk-8900 Randers TLF: 86 40 10 88 FAX: 86 40 14 18 | Nibe AB, markaryd | Tunneltvätt | Stycklista | = | +STYCKLISTA | B1. 4 | 4 |
| | Sida rev. | 10. Jun. 2024 | | | | | | | | |
| | Plot datum | 10. Jun. 2024 | | | | | | | | |
| | Vim.Nr./ritad av | /TMH | | | | | | | | |
| | | | | | | | | 22-1965 | 10 | B1. |

Stycklista

WUP0008K 22.04.96

| Komponent pos. nr. | Styck | Sida/ str. | Beteckning | Typ nummer | Fabrikant Leverantör | Artikelnummer Funktionstext |
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| +UH1-FC224 | 1 | +UH1/51. | 1 SAMLEBESLAG GV2-LC10 | GV2AF3 GV2AF3 | TELEMECANIQUE SOLAR | TEL. GV2AF3 81 Värme 2 skölj steg 2 15KW |
| +UH1-51X2 | 1 | +UH1/51. | 3 Adapter 40Amp 1 din skinne RiLine | SV9340.720 SV9340.720 | RITTAL RITTAL | RIT. SV9340.720 82 |
| +UH1-FC225 | 1 | +UH1/51. | 3 MOTORSKYDDBR. 25-32A | GV2ME32 GV2ME32 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. GV2ME32 83 Värme 3 skölj steg 2 15KW |
| +UH1-FC225 | 1 | +UH1/51. | 3 HJÄLPKONTAKT 1S1B | GVAE11 GVAE11 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. GVAE11 84 Värme 3 skölj steg 2 15KW |
| +UH1-FC225 | 1 | +UH1/51. | 3 SAMLEBESLAG GV2-LC10 | GV2AF3 GV2AF3 | TELEMECANIQUE SOLAR | TEL. GV2AF3 85 Värme 3 skölj steg 2 15KW |
| +UH1-SF90 | 1 | +UH1/60. | 1 SVAMPTRYCKKNAPP Ø40 VRIDÅTERST. | XB4-BS8445 XB4-BS8445 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BS8445 86 |
| +UH1-SF91 | 1 | +UH1/60. | 3 SVAMPTRYCKKNAPP Ø40 VRIDÅTERST. | XB4-BS8445 XB4-BS8445 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BS8445 87 Emergency stop 2 |
| +UH1-SF92 | 1 | +UH1/60. | 5 SVAMPTRYCKKNAPP Ø40 VRIDÅTERST. | XB4-BS8445 XB4-BS8445 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BS8445 88 Emergency stop 3 |
| +UH1-SF93 | 1 | +UH1/60. | 7 SVAMPTRYCKKNAPP Ø40 VRIDÅTERST. | XB4-BS8445 XB4-BS8445 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BS8445 89 Emergency stop 4 |
| +UH1-QQ500 | 1 | +UH1/62. | 1 Adam+Eva OSSD-Info | 2TLA020051R5400 2TLA020051R5400 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020051R5400 90 ABB Adam+Eva Service door 1 |
| +UH1-QQ500 | 1 | +UH1/62. | 1 KABEL 10M 5POL | M12-C101 M12-C101 | JOKAB SAFETY JOKAB SAFETY | JOK. M12-C101 91 ABB Adam+Eva Service door 1 |
| +UH1-QQ500 | 1 | +UH1/62. | 1 EVA OSSD-Info, General Code | 2TLA020046R0800 2TLA020046R0800 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020046R0800 92 ABB Adam+Eva Service door 1 |
| +UH1-QQ501 | 1 | +UH1/62. | 2 Adam+Eva OSSD-Info | 2TLA020051R5400 2TLA020051R5400 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020051R5400 93 ABB Adam+Eva Service door 2 |
| +UH1-QQ501 | 1 | +UH1/62. | 2 Cabel 5x0,34 20m | M12-C201 M12-C201 | JOKAB SAFETY JOKAB SAFETY | JOK. M12-C201 94 ABB Adam+Eva Service door 2 |
| +UH1-QQ501 | 1 | +UH1/62. | 2 EVA OSSD-Info, General Code | 2TLA020046R0800 2TLA020046R0800 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020046R0800 95 ABB Adam+Eva Service door 2 |
| +UH1-QQ502 | 1 | +UH1/62. | 3 Adam+Eva OSSD-Info | 2TLA020051R5400 2TLA020051R5400 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020051R5400 96 ABB Adam+Eva Service door 3 |
| +UH1-QQ502 | 1 | +UH1/62. | 3 KABEL 10M 5POL | M12-C101 M12-C101 | JOKAB SAFETY JOKAB SAFETY | JOK. M12-C101 97 ABB Adam+Eva Service door 3 |
| +UH1-QQ502 | 1 | +UH1/62. | 3 EVA OSSD-Info, General Code | 2TLA020046R0800 2TLA020046R0800 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020046R0800 98 ABB Adam+Eva Service door 3 |
| +UH1-QQ503 | 1 | +UH1/62. | 4 Adam+Eva OSSD-Info | 2TLA020051R5400 2TLA020051R5400 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020051R5400 99 ABB Adam+Eva Service door 4 |
| +UH1-QQ503 | 1 | +UH1/62. | 4 Cabel 5x0,34 20m | M12-C201 M12-C201 | JOKAB SAFETY JOKAB SAFETY | JOK. M12-C201 100 ABB Adam+Eva Service door 4 |

Stycklista

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| Komponent pos. nr. | Styck | Sida/ str. | Beteckning | Typ nummer | Fabrikant Leverantör | Artikelnummer Funktionstext |
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| +UH1-QQ503 | 1 | +UH1/62. | EVA OSSD-Info, General Code | 2TLA020046R0800 2TLA020046R0800 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020046R0800 101 ABB Adam+Eva Service door 4 |
| +UH1-QQ504 | 1 | +UH1/62. | Adam+Eva OSSD-Info | 2TLA020051R5400 2TLA020051R5400 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020051R5400 102 ABB Adam+Eva Service door 5 |
| +UH1-QQ504 | 1 | +UH1/62. | KABEL 10M 5POL | M12-C101 M12-C101 | JOKAB SAFETY JOKAB SAFETY | JOK. M12-C101 103 ABB Adam+Eva Service door 5 |
| +UH1-QQ504 | 1 | +UH1/62. | EVA OSSD-Info, General Code | 2TLA020046R0800 2TLA020046R0800 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020046R0800 104 ABB Adam+Eva Service door 5 |
| +UH1-QQ505 | 1 | +UH1/62. | Adam+Eva OSSD-Info | 2TLA020051R5400 2TLA020051R5400 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020051R5400 105 ABB Adam+Eva Service door 6 |
| +UH1-QQ505 | 1 | +UH1/62. | Cabel 5x0,34 20m | M12-C201 M12-C201 | JOKAB SAFETY JOKAB SAFETY | JOK. M12-C201 106 ABB Adam+Eva Service door 6 |
| +UH1-QQ505 | 1 | +UH1/62. | EVA OSSD-Info, General Code | 2TLA020046R0800 2TLA020046R0800 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020046R0800 107 ABB Adam+Eva Service door 6 |
| +UH1-QQ506 | 1 | +UH1/63. | Adam+Eva OSSD-Info | 2TLA020051R5400 2TLA020051R5400 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020051R5400 108 ABB Adam+Eva Service door 7 |
| +UH1-QQ506 | 1 | +UH1/63. | KABEL 10M 5POL | M12-C101 M12-C101 | JOKAB SAFETY JOKAB SAFETY | JOK. M12-C101 109 ABB Adam+Eva Service door 7 |
| +UH1-QQ506 | 1 | +UH1/63. | EVA OSSD-Info, General Code | 2TLA020046R0800 2TLA020046R0800 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020046R0800 110 ABB Adam+Eva Service door 7 |
| +UH1-QQ507 | 1 | +UH1/63. | Adam+Eva OSSD-Info | 2TLA020051R5400 2TLA020051R5400 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020051R5400 111 ABB Adam+Eva Service door 8 |
| +UH1-QQ507 | 1 | +UH1/63. | Cabel 5x0,34 20m | M12-C201 M12-C201 | JOKAB SAFETY JOKAB SAFETY | JOK. M12-C201 112 ABB Adam+Eva Service door 8 |
| +UH1-QQ507 | 1 | +UH1/63. | EVA OSSD-Info, General Code | 2TLA020046R0800 2TLA020046R0800 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020046R0800 113 ABB Adam+Eva Service door 8 |
| +UH1-QQ650 | 1 | +UH1/63. | Adam+Eva OSSD-Info | 2TLA020051R5400 2TLA020051R5400 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020051R5400 114 ABB Adam+Eva Service door 9 |
| +UH1-QQ650 | 1 | +UH1/63. | KABEL 10M 5POL | M12-C101 M12-C101 | JOKAB SAFETY JOKAB SAFETY | JOK. M12-C101 115 ABB Adam+Eva Service door 9 |
| +UH1-QQ650 | 1 | +UH1/63. | EVA OSSD-Info, General Code | 2TLA020046R0800 2TLA020046R0800 | JOKAB SAFETY JOKAB SAFETY | JOK. 2TLA020046R0800 116 ABB Adam+Eva Service door 9 |
| +UH1-70F1 | 1 | +UH1/70. | Sitop Select 4x10A säkring | 6EP1961-2BA00 6EP1961-2BA00 | SIEMENS SIEMENS | SIE. 6EP1961-2BA00 117 |
| +UH1-UH1-AH1 | 1 | +UH1/75. | PANEL KTP700 COLOR PN | 6AV2123-2GB03-0AX0 6AV2123-2GB03-0AX0 | SIEMENS SOLAR | SIE. 6AV2123-2GB03-0AX0 118 |
| +UH1-A2 | 1 | +UH1/96. | CPU 214 DC/DC/DC S7-1200F | 6ES7 214-1AF40-0XB0 6ES7 214-1AF40-0XB0 | SIEMENS SOLAR | SIE. 6ES7 214-1AF40-0XBQ19 |
| +UH1-A2 | 1 | +UH1/96. | Micro memory card 4Mb | 6ES7 954-8LC03-0AA0 6ES7 954-8LC03-0AA0 | SIEMENS SOLAR | SIE. 6ES7 954-8LC03-0AAQ20 |

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| Komponent pos. nr. | Styck | Sida/ str. | Beteckning | Typ nummer | Fabrikant Leverantör | Artikelnummer Funktionstext |
|--------------------|-------|---------------|--------------------------------|--|-----------------------------------|--------------------------------|
| +UH1-A4 | 1 | +UH1/96. | 16 DI/16 DO S7-1200 | 6ES7 223-1BL32-0XB0 6ES7 223-1BL32-0XB0 | SIEMENS SOLAR | SIE. 6ES7 223-1BL32-0XB0 121 |
| +UH1-A5 | 1 | +UH1/96. | 16 DI/16 DO S7-1200 | 6ES7 223-1BL32-0XB0 6ES7 223-1BL32-0XB0 | SIEMENS SOLAR | SIE. 6ES7 223-1BL32-0XB0 122 |
| +UH1-A6 | 1 | +UH1/96. | 16 SAFETY Input S7-1200F | 6ES7 226-6BA32-0XB0 6ES7 226-6BA32-0XB0 | SIEMENS SOLAR | SIE. 6ES7 226-6BA32-0XB0 123 |
| +UH1-A7 | 1 | +UH1/96. | 16 SAFETY Input S7-1200F | 6ES7 226-6BA32-0XB0 6ES7 226-6BA32-0XB0 | SIEMENS SOLAR | SIE. 6ES7 226-6BA32-0XB0 124 |
| +UH1-A8 | 1 | +UH1/96. | 4 Safety Output S7-1200F | 6ES7 226-6DA32-0XB0 6ES7 226-6DA32-0XB0 | SIEMENS SOLAR | SIE. 6ES7 226-6DA32-0XB0 125 |
| +UH1-XF1 | 1 | +UH1/98. | Profinet switch 8xRJ45 | 6GK5008-0BA10-1AB2 6GK5008-0BA10-1AB2 | SIEMENS SOLAR | SIE. 6GK5008-0BA10-1AB2 126 |
| +UH1-QA200 | 1 | +UH1/104. | KONTAKTOR 3P. 25A 11KW 24VDC | 3RT2026-1BB40 3RT2026-1BB40 | SIEMENS SOLAR | SIE. 3RT2026-1BB40 127 |
| +UH1-QA201 | 1 | +UH1/104. | KONTAKTOR 3P. 25A 11KW 24VDC | 3RT2026-1BB40 3RT2026-1BB40 | SIEMENS SOLAR | SIE. 3RT2026-1BB40 128 |
| +UH1-QA202 | 1 | +UH1/104. | KONTAKTOR 3P. 25A 11KW 24VDC | 3RT2026-1BB40 3RT2026-1BB40 | SIEMENS SOLAR | SIE. 3RT2026-1BB40 129 |
| +UH1-QA203 | 1 | +UH1/104. | KONTAKTOR 3P. 25A 11KW 24VDC | 3RT2026-1BB40 3RT2026-1BB40 | SIEMENS SOLAR | SIE. 3RT2026-1BB40 130 |
| +UH1-QA204 | 1 | +UH1/104. | KONTAKTOR 3P. 9A 4KW | 3RT2016-1BB42 3RT2016-1BB42 | SIEMENS SOLAR | SIE. 3RT2016-1BB42 131 |
| +UH1-QA220 | 1 | +UH1/108. | KONTAKTOR 3P. 38A 18,5KW 24VDC | 3RT2028-1BB40 3RT2028-1BB40 | SIEMENS SOLAR | SIE. 3RT2028-1BB40 132 |
| +UH1-QA221 | 1 | +UH1/108. | KONTAKTOR 3P. 38A 18,5KW 24VDC | 3RT2028-1BB40 3RT2028-1BB40 | SIEMENS SOLAR | SIE. 3RT2028-1BB40 133 |
| +UH1-QA222 | 1 | +UH1/108. | KONTAKTOR 3P. 38A 18,5KW 24VDC | 3RT2028-1BB40 3RT2028-1BB40 | SIEMENS SOLAR | SIE. 3RT2028-1BB40 134 |
| +UH1-QA223 | 1 | +UH1/108. | KONTAKTOR 3P. 38A 18,5KW 24VDC | 3RT2028-1BB40 3RT2028-1BB40 | SIEMENS SOLAR | SIE. 3RT2028-1BB40 135 |
| +UH1-QA224 | 1 | +UH1/108. | KONTAKTOR 3P. 38A 18,5KW 24VDC | 3RT2028-1BB40 3RT2028-1BB40 | SIEMENS SOLAR | SIE. 3RT2028-1BB40 136 |
| +UH1-QA225 | 1 | +UH1/108. | KONTAKTOR 3P. 38A 18,5KW 24VDC | 3RT2028-1BB40 3RT2028-1BB40 | SIEMENS SOLAR | SIE. 3RT2028-1BB40 137 |
| +UH1-PF232 | 1 | +UH1/109. | SIGNALLAMPA HVID | XB4-BVB1 XB4-BVB1 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BVB1 138 |
| +UH1-PF234 | 1 | +UH1/109. | SIGNALLAMPA GUL | XB4-BVB5 XB4-BVB5 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BVB5 139 Gul |
| +UH1-SF80 | 1 | +UH1/110. | LAMPTRYCK HVID | XB4-BW31B5 XB4-BW31B5 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BW31B5 140 |

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| Komponent pos. nr. | Styck | Sida/ str. | Beteckning | Typ nummer | Fabrikant Leverantör | Artikelnummer Funktionstext |
|--------------------|-------|---------------|--------------------------------|--|-----------------------------------|----------------------------------|
| +UH1-SF81 | 1 | +UH1/110. | TRYCK SVART | XB4-BA21 XB4-BA21 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BA21 141 |
| +UH1-SF82 | 1 | +UH1/110. | AVRED 2-LÄGEN | XB4-BD21 XB4-BD21 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BD21 142 |
| +UH1-SF82 | 1 | +UH1/110. | KONTAKTBLOCK 1B | ZBE102 ZBE102 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. ZBE102 143 |
| +UH1-SF84 | 1 | +UH1/110. | LAMPTRYCK GRÖN | XB4-BW33B5 XB4-BW33B5 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BW33B5 144 |
| +UH1-SF85 | 1 | +UH1/110. | TRYCK SVART | XB4-BA21 XB4-BA21 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BA21 145 |
| +UH1-SF86 | 1 | +UH1/110. | LAMPTRYCK RÖD | XB4-BW34B5 XB4-BW34B5 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XB4-BW34B5 146 |
| +UH1-SF86 | 1 | +UH1/110. | KONTAKTBLOCK 1S | ZBE101 ZBE101 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. ZBE101 147 |
| +UH1-BT87 | 1 | +UH1/110. | Tempertur mätning 1 NO. | NSYCCOTH0 NSYCCOTH0 | SCHNEIDER | SCHN. NSYCCOTH0 148 |
| +UH1-QA246 | 1 | +UH1/112. | KONTAKTOR 3P. 9A 4KW | 3RT2016-1BB42 3RT2016-1BB42 | SIEMENS SOLAR | SIE. 3RT2016-1BB42 149 |
| +UH1-QA247 | 1 | +UH1/112. | KONTAKTOR 3P. 9A 4KW | 3RT2016-1BB42 3RT2016-1BB42 | SIEMENS SOLAR | SIE. 3RT2016-1BB42 150 |
| +UH1-PF250 | 1 | +UH1/113. | LJUSELEMENT GRÖN LED | XVBC2B3 XVBC2B3 | TELEMECANIQUE | TEL. XVBC2B3 151 Auto |
| +UH1-PF250 | 1 | +UH1/113. | LJUSELEMENT LOCK OCH BOTTENDEL | XVBC21 XVBC21 | TELEMECANIQUE GROUPE SCHNEIDER | TEL. XVBC21 152 Auto |
| +UH1-PF250 | 1 | +UH1/113. | LJUSELEMENT RÖR 100MM +FOT | XVBZ02 XVBZ02 | TELEMECANIQUE | TEL. XVBZ02 153 Auto |
| +UH1-PF251 | 1 | +UH1/113. | LJUSELEMENT GUL LED | XVBC2B8 XVBC2B8 | TELEMECANIQUE | TEL. XVBC2B8 154 Service larm |
| +UH1-PF252 | 1 | +UH1/113. | LJUSELEMENT KLAR LED | XVBC2B7 XVBC2B7 | TELEMECANIQUE | TEL. XVBC2B7 155 Väntan |
| +UH1-PF253 | 1 | +UH1/113. | LJUSELEMENT RÖD LED | XVBC2B4 XVBC2B4 | TELEMECANIQUE | TEL. XVBC2B4 156 Larm |
| +UH1-QA800 | 1 | +UH1/125. | KONTAKTOR 3P. 9A 4KW | 3RT2016-1BB42 3RT2016-1BB42 | SIEMENS SOLAR | SIE. 3RT2016-1BB42 157 |
| +UH1-QA800-1 | 1 | +UH1/125. | KONTAKTOR 3P. 9A 4KW | 3RT2016-1BB42 3RT2016-1BB42 | SIEMENS SOLAR | SIE. 3RT2016-1BB42 158 |
| +UC10-UC10-KF1 | 1 | +UC10/200. | GRUNDMODUL ET200SP PROFINET | 6ES7 155-6AA01-0BNO 6ES7 155-6AA01-0BNO | SIEMENS SOLAR | SIE. 6ES7 155-6AA01-0BNO 159 |
| +UC10-UC10-KF1 | 1 | +UC10/200. | BUS ADAPTER 2xRJ45 | 6ES7 193-6AR00-0AA0 6ES7 193-6AR00-0AA0 | SIEMENS SOLAR | SIE. 6ES7 193-6AR00-0AA0 160 |

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| Komponent pos. nr. | Styck | Sida/ str. | Beteckning | Typ nummer | Fabrikant Leverantör | Artikelnummer Funktionstext |
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| +UC10-UC10-KF2 | 1 | +UC10/201. | TERMINALBLOK DI/DO 16P LIGHT | 6ES7 193-6BP20-0DA0 6ES7 193-6BP20-0DA0 | SIEMENS SOLAR | SIE. 6ES7 193-6BP20-0DA061 |
| +UC10-UC10-KF2 | 1 | +UC10/201. | MODUL 8DI | 6ES7 131-6BF01-0BA0 6ES7 131-6BF01-0BA0 | SIEMENS SOLAR | SIE. 6ES7 131-6BF01-0BA062 |
| +UC10-UC10-KF3 | 1 | +UC10/202. | TERMINALBLOK 16P DI/DO Dark | 6ES7 193-6BP20-0BA0 6ES7 193-6BP20-0BA0 | SIEMENS SOLAR | SIE. 6ES7 193-6BP20-0BA063 |
| +UC10-UC10-KF3 | 1 | +UC10/202. | MODUL 8DI | 6ES7 131-6BF01-0BA0 6ES7 131-6BF01-0BA0 | SIEMENS SOLAR | SIE. 6ES7 131-6BF01-0BA064 |
| +UC10-UC10-KF4 | 1 | +UC10/203. | TERMINALBLOK 16P DI/DO Dark | 6ES7 193-6BP20-0BA0 6ES7 193-6BP20-0BA0 | SIEMENS SOLAR | SIE. 6ES7 193-6BP20-0BA065 |
| +UC10-UC10-KF4 | 1 | +UC10/203. | MODUL 8DI | 6ES7 131-6BF01-0BA0 6ES7 131-6BF01-0BA0 | SIEMENS SOLAR | SIE. 6ES7 131-6BF01-0BA066 |
| +UC10-UC10-KF5 | 1 | +UC10/210. | TERMINALBLOK DI/DO 16P LIGHT | 6ES7 193-6BP20-0DA0 6ES7 193-6BP20-0DA0 | SIEMENS SOLAR | SIE. 6ES7 193-6BP20-0DA067 |
| +UC10-UC10-KF5 | 1 | +UC10/210. | MODUL 8DO | 6ES7 132-6BF01-0BA0 6ES7 132-6BF01-0BA0 | SIEMENS SOLAR | SIE. 6ES7 132-6BF01-0BA068 |
| +UC10-UC10-KF6 | 1 | +UC10/216. | TERMINALBLOK DI/DO/AI/AO 16P | 6ES7 193-6BP00-0DA0 6ES7 193-6BP00-0DA0 | SIEMENS SOLAR | SIE. 6ES7 193-6BP00-0DA069 |
| +UC10-UC10-KF6 | 1 | +UC10/216. | MODUL 4AI PT100 | 6ES7 134-6JD00-0CA1 6ES7 134-6JD00-0CA1 | SIEMENS SOLAR | SIE. 6ES7 134-6JD00-0CA170 |
| +UC10-UC10-KF7 | 1 | +UC10/217. | TERMINALBLOK DI/DO/AI/AO 16P | 6ES7 193-6BP00-0DA0 6ES7 193-6BP00-0DA0 | SIEMENS SOLAR | SIE. 6ES7 193-6BP00-0DA071 |
| +UC10-UC10-KF7 | 1 | +UC10/217. | MODUL 4AI PT100 | 6ES7 134-6JD00-0CA1 6ES7 134-6JD00-0CA1 | SIEMENS SOLAR | SIE. 6ES7 134-6JD00-0CA172 |
| +UC10-BP1710-1 | 1 | +UC10/220. | 2 | | | MEC SUPPLY 173 |
| +UC10-BP1710T-Couplet | | +UC10/220. | 4 | | | MEC SUPPLY 174 |
| +UC10-BP1710-2 | 1 | +UC10/220. | 6 | | | MEC SUPPLY 175 |
| +UC10-BP1712-1 | 1 | +UC10/221. | 2 | | | MEC SUPPLY 176 |
| +UC10-BP1712T-Couplet | | +UC10/221. | 4 | | | MEC SUPPLY 177 |
| +UC10-BP1712-2 | 1 | +UC10/221. | 6 | | | MEC SUPPLY 178 |
| +UC10-BP1714-1 | 1 | +UC10/222. | 2 | | | MEC SUPPLY 179 |
| +UC10-BP1714T-Couplet | | +UC10/222. | 4 | | | MEC SUPPLY 180 |

