



Hoogheemraadschap van Schieland en de Krimpenerwaard  
Maasboulevard 123  
3006 AB Rotterdam  
Tel. 010-4537200

|                     |                                 |                  |                    |
|---------------------|---------------------------------|------------------|--------------------|
| Projectbeschrijving | Projectbeschrijving             |                  |                    |
| Adres object        | Adres object                    |                  |                    |
| Installatieplaats   | Installatieplaats               |                  |                    |
| Bouwjaar            | Bouwjaar                        |                  |                    |
| Projectnummer       | Projectnummer                   |                  |                    |
| Bestandsnaam        | HHSK_basisproject V1 2011-09-06 |                  |                    |
| Projectleider       | Projectleider                   |                  |                    |
| Bijzonderheden      |                                 |                  |                    |
| Installateur        | Naam installateur               |                  |                    |
| Adres installateur  | Adres installateur              |                  |                    |
| Postcode plaats     | Postcode/plaats installateur    |                  |                    |
| Gebruikte versie    | 2.1.4                           |                  |                    |
| Gemaakt op          | 19-8-2011                       | Goedgekeurd door |                    |
| Bewerkt op          | 30-1-2012                       | Door Peter       | Aantal pagina's 13 |

# Inhoudsopgave

HHSK\_Inhoudsopgave\_GP

[illegible]

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| <div>Code apperatuur</div> <div>A: Bouwgroep, deelbouwgroep (versterker)<br/>B: Omzetter van niet elektrische naar elektrische grootheid v.v. (sensoren)<br/>C: Condensator<br/>D: Vertragingselement<br/>E: Diversen (o.a. verlichting en verwarming)<br/>F: Beveiligingstoestel (zekering, installatie automaat)<br/>G: Generator, voedingsbron<br/>H: Signaleringstoestel (akoestisch / optisch)<br/>I:<br/>J:<br/>K: Relais, magneetschakelaar (motor, hulp en tijdrelais)<br/>L: inductie (spoel)<br/>M: Motor<br/>N: versterker, regelaar<br/>O:<br/>P: Meters<br/>Q: Hoofdschakelaar, scheider, motorbev.schakelaar<br/>R: Weerstand (regelbare en vaste)<br/>S: Schakelaar hand/mechanisch bediend (eindschakelaar, drukknop, keuzeschak., werkschak.)<br/>T: Transformator<br/>U: Statische omzetter (frequentie regelaar)<br/>V: Halfgeleider (LED, diode, transistor, gelijkrichter)<br/>W: Overdrachtsmedium (kabel, leiding, draad, antenne)<br/>X: Klemmen en stekkers<br/>Y: elektrisch bediende mechanische toestellen (rem, koppeling, magn.venrtiel)<br/>Z: Filter, begrenzer</div> |                                                                                                                                                                                                                                                                                                     |                                                    |             |                              |   |   |   | <div>Kleurcode bedrading</div> <table><tr><td>Driefase stroomketens</td><td>fase</td><td>400VAC</td><td>zwart</td><td>minimaal 1,5 mm<sup>2</sup></td></tr><tr><td>Driefase stroomketens</td><td>nul</td><td>400VAC</td><td>blauw</td><td>minimaal 1,5 mm<sup>2</sup></td></tr><tr><td>Eenfase stroomketens</td><td>fase</td><td>230VAC</td><td>bruin</td><td>minimaal 1,5 mm<sup>2</sup></td></tr><tr><td>Eenfase stroomketens</td><td>schakel draad</td><td>230VAC</td><td>zwart</td><td>minimaal 1,5 mm<sup>2</sup></td></tr><tr><td>Eenfase stroomketens</td><td>nul</td><td>230VAC</td><td>blauw</td><td>minimaal 1,5 mm<sup>2</sup></td></tr><tr><td>Beschermingsleiding</td><td></td><td></td><td>groen/geel</td><td>minimaal 1,5 mm<sup>2</sup></td></tr><tr><td>Stuurstroom</td><td>fase</td><td>230VAC</td><td>zwart</td><td>1 mm<sup>2</sup></td></tr><tr><td>Stuurstroom</td><td>schakel draad</td><td>230VAC</td><td>zwart</td><td>1 mm<sup>2</sup></td></tr><tr><td>Stuurstroom</td><td>nul</td><td>230VAC</td><td>blauw</td><td>1 mm<sup>2</sup></td></tr><tr><td>Stuurstroom</td><td></td><td>24VAC</td><td>geel</td><td>1 mm<sup>2</sup></td></tr><tr><td>Stuurstroom</td><td>+</td><td>24VDC</td><td>rood</td><td>1 mm<sup>2</sup></td></tr><tr><td>Stuurstroom</td><td>-</td><td>24VDC</td><td>wit</td><td>1 mm<sup>2</sup></td></tr><tr><td>PLC ingangen</td><td></td><td></td><td>oranje</td><td>0,5 mm<sup>2</sup></td></tr><tr><td>PLC uitgangen</td><td></td><td></td><td>oranje</td><td>0,5 mm<sup>2</sup></td></tr><tr><td>Vreemde spanningen</td><td></td><td></td><td>grijs</td><td>1 mm<sup>2</sup></td></tr><tr><td>Meetsignalen</td><td></td><td></td><td>transparant</td><td>1 mm<sup>2</sup></td></tr><tr><td>Meetwaarde circuits stroomtrafo`s</td><td></td><td></td><td>zwart</td><td>1 mm<sup>2</sup></td></tr><tr><td>Meetwaarde circuits analoog</td><td>+</td><td></td><td>paars</td><td>0,5 mm<sup>2</sup></td></tr><tr><td>Meetwaarde circuits analoog</td><td>-</td><td></td><td>paars/wit</td><td>0,5 mm<sup>2</sup></td></tr></table> |    |    |    |    |    |    |    |                                                                                                |              |        |                                                                                                                                                                                                                                                                                                     | Driefase stroomketens | fase                                              | 400VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | zwart | minimaal 1,5 mm <sup>2</sup> | Driefase stroomketens | nul | 400VAC | blauw                 | minimaal 1,5 mm <sup>2</sup> | Eenfase stroomketens | fase | 230VAC             | bruin   | minimaal 1,5 mm <sup>2</sup> | Eenfase stroomketens | schakel draad | 230VAC | zwart              | minimaal 1,5 mm <sup>2</sup> | Eenfase stroomketens | nul                         | 230VAC  | blauw | minimaal 1,5 mm <sup>2</sup> | Beschermingsleiding |    |                                        | groen/geel | minimaal 1,5 mm <sup>2</sup> | Stuurstroom                            | fase    | 230VAC | zwart       | 1 mm <sup>2</sup> | Stuurstroom | schakel draad   | 230VAC   | zwart | 1 mm <sup>2</sup>                                | Stuurstroom | nul | 230VAC               | blauw    | 1 mm <sup>2</sup> | Stuurstroom           |          | 24VAC | geel                                               | 1 mm <sup>2</sup> | Stuurstroom | +                              | 24VDC    | rood | 1 mm <sup>2</sup> | Stuurstroom | -  | 24VDC                | wit      | 1 mm <sup>2</sup> | PLC ingangen    |          |    | oranje          | 0,5 mm <sup>2</sup> | PLC uitgangen |                     |          | oranje | 0,5 mm <sup>2</sup>                    | Vreemde spanningen |  |  | grijs | 1 mm <sup>2</sup> | Meetsignalen |  |  | transparant | 1 mm <sup>2</sup> | Meetwaarde circuits stroomtrafo`s |  |  | zwart | 1 mm <sup>2</sup> | Meetwaarde circuits analoog | + |  | paars | 0,5 mm <sup>2</sup> | Meetwaarde circuits analoog | - |  | paars/wit | 0,5 mm <sup>2</sup> | <div>Kleurcode drukknoppen</div> <div>(NEN-EN-IEC 60204-1:2006 bep. 10.2.1)</div> <table><tr><td>ROOD</td><td>stop/uit</td></tr><tr><td>GEEL</td><td>ingreep</td></tr><tr><td>GROEN</td><td>start/in</td></tr><tr><td>BLAUW</td><td>specifieke betekenis</td></tr><tr><td>WIT</td><td>geen specifieke betekenis</td></tr><tr><td>ZWART</td><td>reset/lampentest</td></tr></table> |  |  |  | ROOD | stop/uit | GEEL | ingreep | GROEN | start/in | BLAUW | specifieke betekenis | WIT | geen specifieke betekenis | ZWART | reset/lampentest | <div>Kleurcode signaallampen</div> <div>(NEN-EN-IEC 60204-1:2006 bep. 10.3.2)</div> <table><tr><td>ROOD</td><td>storing/gevaar</td></tr><tr><td>GEEL</td><td>abnormaal/attentie</td></tr><tr><td>GROEN</td><td>veilig/normaal</td></tr><tr><td>BLAUW</td><td>gebod</td></tr><tr><td>WIT</td><td>neutraal/geen specifieke betekenis</td></tr></table> |  |  |  | ROOD | storing/gevaar | GEEL | abnormaal/attentie | GROEN | veilig/normaal | BLAUW | gebod | WIT | neutraal/geen specifieke betekenis | <div>Kleurcode afkortingen</div> <table><tr><td>bl: blauw</td><td>rd: rood</td></tr><tr><td>br: bruin</td><td>rs: rose</td></tr><tr><td>gl: geel</td><td>tr: transparant</td></tr><tr><td>gn: groen</td><td>vt: violet (paars)</td></tr><tr><td>gs: grijs</td><td>wt: wit</td></tr><tr><td>or: oranje</td><td>zw: zwart</td></tr></table> |  |  |  | bl: blauw | rd: rood | br: bruin | rs: rose | gl: geel | tr: transparant | gn: groen | vt: violet (paars) | gs: grijs | wt: wit | or: oranje | zw: zwart |
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400VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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            |      |                    |         |                              |                      |               |        |                    |                              |                      |                             |         |       |                              |                     |    |                                        |            |                              |                                        |         |        |             |                   |             |                 |          |       |                                                  |             |     |                      |          |                   |                       |          |       |                                                    |                   |             |                                |          |      |                   |             |    |                      |          |                   |                 |          |    |                 |         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400VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| Eenfase stroomketens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | fase                                                                                                                                                                                                                                                                                                | 230VAC                                             | bruin       | minimaal 1,5 mm <sup>2</sup> |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| Eenfase stroomketens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | schakel draad                                                                                                                                                                                                                                                                                       | 230VAC                                             | zwart       | minimaal 1,5 mm <sup>2</sup> |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| Eenfase stroomketens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | nul                                                                                                                                                                                                                                                                                                 | 230VAC                                             | blauw       | minimaal 1,5 mm <sup>2</sup> |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| bl: blauw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | rd: rood                                                                                                                                                                                                                                                                                            |                                                    |             |                              |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| br: bruin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| <div>Amperemeter en stroomtransformator</div> <div><div>75 / 5A</div><div><div></div><div>Secundaire stroom</div></div><div><div></div><div>Primaire stroom</div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                     |                                                    |             |                              |   |   |   | <div>Afwijkingen van de installatie</div> <div>t.o.v. NEN-EN-IEC 60204-1:2006</div> <div>De elektrische uitrusting van de machine wijkt bij de onderstaande bepalingen af:</div> <table><tr><td>Bepaling</td><td>Omschrijving</td></tr><tr><td>9.1.1.</td><td>Er is geen stuurstroomtransformator toegepast.<br/>De installatie is dermate cruciaal, dat bij uitval van een stuurstroomtransformator er (ernstige) maatschappelijke problemen kunnen ontstaan.<br/>De kortsluitstroom wordt beperkt d.m.v. de dimensionering van bedrading en stuurstroomautomaten.</td></tr><tr><td>13.2.4</td><td>De identificatie van stroomgeleiders is afwijkend</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |    |    |    |    |    |    | Bepaling                                                                                       | Omschrijving | 9.1.1. | Er is geen stuurstroomtransformator toegepast.<br>De installatie is dermate cruciaal, dat bij uitval van een stuurstroomtransformator er (ernstige) maatschappelijke problemen kunnen ontstaan.<br>De kortsluitstroom wordt beperkt d.m.v. de dimensionering van bedrading en stuurstroomautomaten. | 13.2.4                | De identificatie van stroomgeleiders is afwijkend | <div>Kabelcode</div> <div>(voorbeeld: 0110W1.12)</div> <table><tr><td>*1 -W1.</td><td>*2</td><td>Hoofdstroom 400Vac</td></tr><tr><td>*1 -W2.</td><td>*2</td><td>Voeding 230Vac</td></tr><tr><td>*1 -W3.</td><td>*2</td><td>Stuurstroom 230Vac</td></tr><tr><td>*1 -W4.</td><td>*2</td><td>Stuurstroom / voeding 24Vdc</td></tr><tr><td>*1 -W5.</td><td>*2</td><td>Stuurstroom / voeding 24Vac</td></tr><tr><td>*1 -W6.</td><td>*2</td><td>Noodstroominstallatie (gelijkspanning)</td></tr><tr><td>*1 -W7.</td><td>*2</td><td>Noodstroominstallatie (wisselspanning)</td></tr><tr><td>*1 -W8.</td><td>*2</td><td>Verlichting</td></tr><tr><td>*1 -W9.</td><td>*2</td><td>Noodverlichting</td></tr><tr><td>*1 -W10.</td><td>*2</td><td>Voedingen automatisering (PLC, monitor, printer)</td></tr><tr><td>*1 -W11.</td><td>*2</td><td>PLC Analoge signalen</td></tr><tr><td>*1 -W12.</td><td>*2</td><td>PLC Digitale signalen</td></tr><tr><td>*1 -W13.</td><td>*2</td><td>Communicatie PLC / Automatisering / Instrumentatie</td></tr><tr><td>*1 -W14.</td><td>*2</td><td>PLC / Instrumentatie - Overige</td></tr><tr><td>*1 -W20.</td><td>*2</td><td>Alarminstallatie</td></tr><tr><td>*1 -W21.</td><td>*2</td><td>Brandmeldinstallatie</td></tr><tr><td>*1 -W22.</td><td>*2</td><td>Inbraakdetektie</td></tr><tr><td>*1 -W23.</td><td>*2</td><td>Deursignalering</td></tr><tr><td>*1 -W30.</td><td>*2</td><td>Gesloten TV-systeem</td></tr><tr><td>*1 -W31.</td><td>*2</td><td>Personen oproep installatie / intercom</td></tr></table> <div>*1 is de procescode<br/>*2 is het stramiennummer<br/>Indien meerdere kabels op 1 stramien voorkomen een volgletter toegevoegen aan het kabelnummer. (bijv. 011W1.12A)<br/>Opm.:<br/>Als er op de klemmenstrook een klein aantal PLC signalen (digitaal / analoog) van een apparaat komen, mag er gekozen worden om 1 kabel te gebruiken.<br/>De kabelcode moet dan W14:* zijn.</div> |       |                              |                       |     |        |                       |                              | *1 -W1.              | *2   | Hoofdstroom 400Vac | *1 -W2. | *2                           | Voeding 230Vac       | *1 -W3.       | *2     | Stuurstroom 230Vac | *1 -W4.                      | *2                   | Stuurstroom / voeding 24Vdc | *1 -W5. | *2    | Stuurstroom / voeding 24Vac  | *1 -W6.             | *2 | Noodstroominstallatie (gelijkspanning) | *1 -W7.    | *2                           | Noodstroominstallatie (wisselspanning) | *1 -W8. | *2     | Verlichting | *1 -W9.           | *2          | Noodverlichting | *1 -W10. | *2    | Voedingen automatisering (PLC, monitor, printer) | *1 -W11.    | *2  | PLC Analoge signalen | *1 -W12. | *2                | PLC Digitale signalen | *1 -W13. | *2    | Communicatie PLC / Automatisering / Instrumentatie | *1 -W14.          | *2          | PLC / Instrumentatie - Overige | *1 -W20. | *2   | Alarminstallatie  | *1 -W21.    | *2 | Brandmeldinstallatie | *1 -W22. | *2                | Inbraakdetektie | *1 -W23. | *2 | Deursignalering | *1 -W30.            | *2            | Gesloten TV-systeem | *1 -W31. | *2     | Personen oproep installatie / intercom |                    |  |  |       |                   |              |  |  |             |                   |                                   |  |  |       |                   |                             |   |  |       |                     |                             |   |  |           |                     |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |      |          |      |         |       |          |       |                      |     |                           |       |                  |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |      |                |      |                    |       |                |       |       |     |                                    |                                                                                                                                                                                                                                                                                                                                           |  |  |  |           |          |           |          |          |                 |           |                    |           |         |            |           |
| Bepaling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| 9.1.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| 13.2.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | De identificatie van stroomgeleiders is afwijkend                                                                                                                                                                                                                                                   |                                                    |             |                              |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| *1 -W10.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| *1 -W12.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| *1 -W13.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| *1 -W14.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| <div>Aanduiding apperatuur</div> <div>=0110+HVK-K1</div> <div><div></div><div>-K1 : apparaatcode K1 is het relais getekend in stramien 1</div></div> <div><div></div><div>+HVK: plaatscode HVK is in hoofdverdeelkast</div></div> <div><div></div><div>=0110: procescode 0110</div></div> <div>*zie ook het structuurcodeoverzicht</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| <div>Bedrading</div> <div><div>Adercodering</div><div>Partex<div>X</div>Sleeve</div></div> <div><div>Draadeinden</div><div>Draadbusjes<div>X</div>Kabelschoentjes</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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        |               |                     |          |        |                                        |                    |  |  |       |                   |              |  |  |             |                   |                                   |  |  |       |                   |                             |   |  |       |                     |                             |   |  |           |                     |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |      |          |      |         |       |          |       |                      |     |                           |       |                  |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |      |                |      |                    |       |                |       |       |     |                                    |                                                                                                                                                                                                                                                                                                                                           |  |  |  |           |          |           |          |          |                 |           |                    |           |         |            |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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        |      |                    |         |                              |                      |               |        |                    |                              |                      |                             |         |       |                              |                     |    |                                        |            |                              |                                        |         |        |             |                   |             |                 |          |       |                                                  |             |     |                      |          |                   |                       |          |       |                                                    |                   |             |                                |          |      |                   |             |    |                      |          |                   |                 |          |    |                 |                     |               |                     |          |        |                                        |                    |  |  |       |                   |              |  |  |             |                   |                                   |  |  |       |                   |                             |   |  |       |                     |                             |   |  |           |                     |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |      |          |      |         |       |          |       |                      |     |                           |       |                  |                                                                                                                                                                                                                                                                                                                                                      |  |  |  |      |                |      |                    |       |                |       |       |     |                                    |                                                                                                                                                                                                                                                                                                                                           |  |  |  |           |          |           |          |          |                 |           |                    |           |         |            |           |
| Wijziging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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        |      |                    |         |                              |                      |               |        |                    |                              |                      |                             |         |       |                              |                     |    |                                        |            |                              |                                        |         |        |             |                   |             |                 |          |       |                                                  |             |     |                      |          |                   |                       |          |       |                                                    |                   |             |                                |          |      |                   |             |    |                      |          |                   |                 |          |    |                 |                     |               |                     |          |        |                                        |                    |  |  |       |                   |              |  |  |             |                   |                                   |  |  |       |                   |                             |   |  |       |                     |                             |   |  |           |                     |                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |      |          |      |         |       |          |       |                      |     |                           |       |                  |                                                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HHSK\_Plotkader\_GP.fn1



Structuurcodeoverzicht

HHSK\_Structuurcodeoverzicht

| Labeling | Volledige code | Structuurbeschrijving               |
|----------|----------------|-------------------------------------|
| Groep    | =0000          | Titelblad                           |
| Groep    | =0001          | Inhoudsopgave                       |
| Groep    | =0002          | Revisieoverzicht                    |
| Groep    | =0003          | Normalisatie                        |
| Groep    | =0004          | Kabeloverzicht                      |
| Groep    | =0005          | Structuurcode overzicht             |
| Groep    | =0050          | Energiebedrijf                      |
| Groep    | =0051          | Voeding hoofdverdeler / schakelkast |
| Groep    | =0052          | Noodstroomaggregaat                 |
| Groep    | =0053          | UPS                                 |
| Groep    | =0060          | Telefooncentrale                    |
| Groep    | =0061          | Brandmeldcentrale                   |
| Groep    | =0070          | PLC                                 |
| Groep    | =0080          | Telemetrie                          |
| Groep    | =0090          | Algemeen                            |
| Groep    | =0101          | Krooshekreiniger 1                  |
| Groep    | =0102          | Krooshekreiniger 2                  |
| Groep    | =0103          | Krooshekreiniger 3                  |
| Groep    | =0104          | Krooshekreiniger 4                  |
| Groep    | =0105          | Krooshekreiniger 5                  |
| Groep    | =0106          | Krooshekreiniger 6                  |
| Groep    | =0107          | Krooshekreiniger 7                  |
| Groep    | =0108          | Krooshekreiniger 8                  |
| Groep    | =0109          | Krooshekreiniger 9                  |
| Groep    | =0110          | Pomp 1                              |
| Groep    | =0111          | Vetsmeerpomp pomp 1                 |
| Groep    | =0112          | Koelwaterpomp TWK pomp 1            |
| Groep    | =0113          | Oliecirculatiepomp TWK pomp 1       |
| Groep    | =0114          | Oliekoeler TWK pomp 1               |
| Groep    | =0115          | Persafsluiter pomp 1                |
| Groep    | =0116          | Brandstofpomp 1                     |
| Groep    | =0117          | Smeerolie pomp 1                    |
| Groep    | =0118          | Compressor 1                        |

Structuurcodeoverzicht

HHSK\_Structuurcodeoverzicht

| Labeling | Volledige code | Structuurbeschrijving         |
|----------|----------------|-------------------------------|
| Groep    | =0119          | Koelwatervoorverwarming 1     |
| Groep    | =0120          | Pomp 2                        |
| Groep    | =0121          | Vetsmeerpomp pomp 2           |
| Groep    | =0122          | Koelwaterpomp TWK pomp 2      |
| Groep    | =0123          | Oliecirculatiepomp TWK pomp 2 |
| Groep    | =0124          | Oliekoeler TWK pomp 2         |
| Groep    | =0125          | Persafsluiter pomp 2          |
| Groep    | =0126          | Brandstofpomp 2               |
| Groep    | =0127          | Smeerolie pomp 2              |
| Groep    | =0128          | Compressor 2                  |
| Groep    | =0129          | Koelwatervoorverwarming 2     |
| Groep    | =0130          | Pomp 3                        |
| Groep    | =0131          | Vetsmeerpomp pomp 3           |
| Groep    | =0132          | Koelwaterpomp TWK pomp 3      |
| Groep    | =0133          | Oliecirculatiepomp TWK pomp 3 |
| Groep    | =0134          | Oliekoeler TWK pomp 3         |
| Groep    | =0135          | Persafsluiter pomp 3          |
| Groep    | =0136          | Brandstofpomp 3               |
| Groep    | =0137          | Smeerolie pomp 3              |
| Groep    | =0138          | Compressor 3                  |
| Groep    | =0139          | Koelwatervoorverwarming 3     |
| Groep    | =0140          | Pomp 4                        |
| Groep    | =0141          | Vetsmeerpomp pomp 4           |
| Groep    | =0142          | Koelwaterpomp TWK pomp 4      |
| Groep    | =0143          | Oliecirculatiepomp TWK pomp 4 |
| Groep    | =0144          | Oliekoeler TWK pomp 4         |
| Groep    | =0145          | Persafsluiter pomp 4          |
| Groep    | =0146          | Brandstofpomp 4               |
| Groep    | =0147          | Smeerolie pomp 4              |
| Groep    | =0148          | Compressor 4                  |
| Groep    | =0149          | Koelwatervoorverwarming 4     |
| Groep    | =0150          | Pomp 5                        |
| Groep    | =0151          | Vetsmeerpomp pomp 5           |

Structuurcodeoverzicht

HHSK\_Structuurcodeoverzicht

| Labeling | Volledige code | Structuurbeschrijving         |
|----------|----------------|-------------------------------|
| Groep    | =0152          | Koelwaterpomp TWK pomp 5      |
| Groep    | =0153          | Oliecirculatiepomp TWK pomp 5 |
| Groep    | =0154          | Oliekoeler TWK pomp 5         |
| Groep    | =0155          | Persafsluiter pomp 5          |
| Groep    | =0156          | Brandstofpomp 5               |
| Groep    | =0157          | Smeerolie pomp 5              |
| Groep    | =0158          | Compressor 5                  |
| Groep    | =0159          | Koelwatervoorverwarming 5     |
| Groep    | =0160          | Pomp 6                        |
| Groep    | =0161          | Vetsmeerpomp pomp 6           |
| Groep    | =0162          | Koelwaterpomp TWK pomp 6      |
| Groep    | =0163          | Oliecirculatiepomp TWK pomp 6 |
| Groep    | =0164          | Oliekoeler TWK pomp 6         |
| Groep    | =0165          | Persafsluiter pomp 6          |
| Groep    | =0166          | Brandstofpomp 6               |
| Groep    | =0167          | Smeerolie pomp 6              |
| Groep    | =0168          | Compressor 6                  |
| Groep    | =0169          | Koelwatervoorverwarming 6     |
| Groep    | =0170          | Pomp 7                        |
| Groep    | =0171          | Vetsmeerpomp pomp 7           |
| Groep    | =0172          | Koelwaterpomp TWK pomp 7      |
| Groep    | =0173          | Oliecirculatiepomp TWK pomp 7 |
| Groep    | =0174          | Oliekoeler TWK pomp 7         |
| Groep    | =0175          | Persafsluiter pomp 7          |
| Groep    | =0176          | Brandstofpomp 7               |
| Groep    | =0177          | Smeerolie pomp 7              |
| Groep    | =0178          | Compressor 7                  |
| Groep    | =0179          | Koelwatervoorverwarming 7     |
| Groep    | =0180          | Pomp 8                        |
| Groep    | =0181          | Vetsmeerpomp pomp 8           |
| Groep    | =0182          | Koelwaterpomp TWK pomp 8      |
| Groep    | =0183          | Oliecirculatiepomp TWK pomp 8 |
| Groep    | =0184          | Oliekoeler TWK pomp 8         |

Structuurcodeoverzicht

HHSK\_Structuurcodeoverzicht

| Labeling | Volledige code | Structuurbeschrijving         |
|----------|----------------|-------------------------------|
| Groep    | =0185          | Persafsluiter pomp 8          |
| Groep    | =0186          | Brandstofpomp 8               |
| Groep    | =0187          | Smeerolie pomp 8              |
| Groep    | =0188          | Compressor 8                  |
| Groep    | =0189          | Koelwatervoorverwarming 8     |
| Groep    | =0190          | Pomp 9                        |
| Groep    | =0191          | Vetsmeerpomp pomp 9           |
| Groep    | =0192          | Koelwaterpomp TWK pomp 9      |
| Groep    | =0193          | Oliecirculatiepomp TWK pomp 9 |
| Groep    | =0194          | Oliekoeler TWK pomp 9         |
| Groep    | =0195          | Persafsluiter pomp 9          |
| Groep    | =0196          | Brandstofpomp 9               |
| Groep    | =0197          | Smeerolie pomp 9              |
| Groep    | =0198          | Compressor 9                  |
| Groep    | =0199          | Koelwatervoorverwarming 9     |
| Groep    | =0201          | Vuil motorkoelwaterpomp 1     |
| Groep    | =0202          | Vuil motorkoelwaterpomp 2     |
| Groep    | =0203          | Vuil motorkoelwaterpomp 3     |
| Groep    | =0204          | Vuil motorkoelwaterpomp 4     |
| Groep    | =0205          | Vuil motorkoelwaterpomp 5     |
| Groep    | =0206          | Vuil motorkoelwaterpomp 6     |
| Groep    | =0207          | Vuil motorkoelwaterpomp 7     |
| Groep    | =0208          | Vuil motorkoelwaterpomp 8     |
| Groep    | =0209          | Vuil motorkoelwaterpomp 9     |
| Groep    | =0211          | Motorkoelwaterpomp 1          |
| Groep    | =0212          | Motorkoelwaterpomp 2          |
| Groep    | =0213          | Motorkoelwaterpomp 3          |
| Groep    | =0214          | Motorkoelwaterpomp 4          |
| Groep    | =0215          | Motorkoelwaterpomp 5          |
| Groep    | =0216          | Motorkoelwaterpomp 6          |
| Groep    | =0217          | Motorkoelwaterpomp 7          |
| Groep    | =0218          | Motorkoelwaterpomp 8          |
| Groep    | =0219          | Motorkoelwaterpomp 9          |

Structuurcodeoverzicht

HHSK\_Structuurcodeoverzicht

| Labeling | Volledige code | Structuurbeschrijving      |
|----------|----------------|----------------------------|
| Groep    | =0301          | Vacuümpomp 1               |
| Groep    | =0302          | Vacuümpomp 2               |
| Groep    | =0303          | Vacuümpomp 3               |
| Groep    | =0304          | Vacuümpomp 4               |
| Groep    | =0305          | Vacuümpomp 5               |
| Groep    | =0306          | Vacuümpomp 6               |
| Groep    | =0307          | Vacuümpomp 7               |
| Groep    | =0308          | Vacuümpomp 8               |
| Groep    | =0309          | Vacuümpomp 9               |
| Groep    | =0311          | Vacuümverbreker 1 pomp 1   |
| Groep    | =0312          | Vacuümverbreker 1 pomp 2   |
| Groep    | =0313          | Vacuümverbreker 1 pomp 3   |
| Groep    | =0314          | Vacuümverbreker 1 pomp 4   |
| Groep    | =0315          | Vacuümverbreker 1 pomp 5   |
| Groep    | =0316          | Vacuümverbreker 1 pomp 6   |
| Groep    | =0317          | Vacuümverbreker 1 pomp 7   |
| Groep    | =0318          | Vacuümverbreker 1 pomp 8   |
| Groep    | =0319          | Vacuümverbreker 1 pomp 9   |
| Groep    | =0321          | Vacuümverbreker 2 pomp 1   |
| Groep    | =0322          | Vacuümverbreker 2 pomp 2   |
| Groep    | =0323          | Vacuümverbreker 2 pomp 3   |
| Groep    | =0324          | Vacuümverbreker 2 pomp 4   |
| Groep    | =0325          | Vacuümverbreker 2 pomp 5   |
| Groep    | =0326          | Vacuümverbreker 2 pomp 6   |
| Groep    | =0327          | Vacuümverbreker 2 pomp 7   |
| Groep    | =0328          | Vacuümverbreker 2 pomp 8   |
| Groep    | =0329          | Vacuümverbreker 2 pomp 9   |
| Groep    | =0331          | Membraamafsluiter vacuüm 1 |
| Groep    | =0332          | Membraamafsluiter vacuüm 2 |
| Groep    | =0333          | Membraamafsluiter vacuüm 3 |
| Groep    | =0334          | Membraamafsluiter vacuüm 4 |
| Groep    | =0335          | Membraamafsluiter vacuüm 5 |
| Groep    | =0336          | Membraamafsluiter vacuüm 6 |

Structuurcodeoverzicht

HHSK\_Structuurcodeoverzicht

| Labeling | Volledige code | Structuurbeschrijving              |
|----------|----------------|------------------------------------|
| Groep    | =0337          | Membraamaflsluiter vacuüm 7        |
| Groep    | =0338          | Membraamaflsluiter vacuüm 8        |
| Groep    | =0339          | Membraamaflsluiter vacuüm 9        |
| Groep    | =0341          | Schuifafsluiter vacuüm 1           |
| Groep    | =0342          | Schuifafsluiter vacuüm 2           |
| Groep    | =0343          | Schuifafsluiter vacuüm 3           |
| Groep    | =0344          | Schuifafsluiter vacuüm 4           |
| Groep    | =0345          | Schuifafsluiter vacuüm 5           |
| Groep    | =0346          | Schuifafsluiter vacuüm 6           |
| Groep    | =0347          | Schuifafsluiter vacuüm 7           |
| Groep    | =0348          | Schuifafsluiter vacuüm 8           |
| Groep    | =0349          | Schuifafsluiter vacuüm 9           |
| Groep    | =0351          | Magneetklep suppletietank vacuüm 1 |
| Groep    | =0352          | Magneetklep suppletietank vacuüm 2 |
| Groep    | =0353          | Magneetklep suppletietank vacuüm 3 |
| Groep    | =0354          | Magneetklep suppletietank vacuüm 4 |
| Groep    | =0355          | Magneetklep suppletietank vacuüm 5 |
| Groep    | =0356          | Magneetklep suppletietank vacuüm 6 |
| Groep    | =0357          | Magneetklep suppletietank vacuüm 7 |
| Groep    | =0358          | Magneetklep suppletietank vacuüm 8 |
| Groep    | =0359          | Magneetklep suppletietank vacuüm 9 |
| Groep    | =0361          | Vacuumentank 1                     |
| Groep    | =0362          | Vacuumentank 2                     |
| Groep    | =0363          | Vacuumentank 3                     |
| Groep    | =0364          | Vacuumentank 4                     |
| Groep    | =0365          | Vacuumentank 5                     |
| Groep    | =0366          | Vacuumentank 6                     |
| Groep    | =0367          | Vacuumentank 7                     |
| Groep    | =0368          | Vacuumentank 8                     |
| Groep    | =0369          | Vacuumentank 9                     |
| Groep    | =0401          | Stuw 1                             |
| Groep    | =0402          | Stuw 2                             |
| Groep    | =0403          | Stuw 3                             |

Structuurcodeoverzicht

HHSK\_Structuurcodeoverzicht

| Labeling | Volledige code | Structuurbeschrijving |
|----------|----------------|-----------------------|
| Groep    | =0404          | Stuw 4                |
| Groep    | =0405          | Stuw 5                |
| Groep    | =0406          | Stuw 6                |
| Groep    | =0407          | Stuw 7                |
| Groep    | =0408          | Stuw 8                |
| Groep    | =0409          | Stuw 9                |
| Groep    | =0601          | Noodschuif 1          |
| Groep    | =0602          | Noodschuif 2          |
| Groep    | =0603          | Noodschuif 3          |
| Groep    | =0604          | Noodschuif 4          |
| Groep    | =0605          | Noodschuif 5          |
| Groep    | =0606          | Noodschuif 6          |
| Groep    | =0607          | Noodschuif 7          |
| Groep    | =0608          | Noodschuif 8          |
| Groep    | =0609          | Noodschuif 9          |
| Groep    | =0611          | Spusein 1             |
| Groep    | =0612          | Spusein 2             |
| Groep    | =0613          | Spusein 3             |
| Groep    | =0614          | Spusein 4             |
| Groep    | =0615          | Spusein 5             |
| Groep    | =0616          | Spusein 6             |
| Groep    | =0617          | Spusein 7             |
| Groep    | =0618          | Spusein 8             |
| Groep    | =0619          | Spusein 9             |
| Groep    | =0701          | Niveau introom 1      |
| Groep    | =0702          | Niveau introom 2      |
| Groep    | =0703          | Niveau introom 3      |
| Groep    | =0704          | Niveau introom 4      |
| Groep    | =0705          | Niveau introom 5      |
| Groep    | =0706          | Niveau introom 6      |
| Groep    | =0707          | Niveau introom 7      |
| Groep    | =0708          | Niveau introom 8      |
| Groep    | =0709          | Niveau introom 9      |

Structuurcodeoverzicht

HHSK\_Structuurcodeoverzicht

| Labeling | Volledige code | Structuurbeschrijving         |
|----------|----------------|-------------------------------|
| Groep    | =0710          | Niveau uitstroom              |
| Groep    | =0711          | Niveau achter krooshek pomp 1 |
| Groep    | =0712          | Niveau achter krooshek pomp 2 |
| Groep    | =0713          | Niveau achter krooshek pomp 3 |
| Groep    | =0714          | Niveau achter krooshek pomp 4 |
| Groep    | =0715          | Niveau achter krooshek pomp 5 |
| Groep    | =0716          | Niveau achter krooshek pomp 6 |
| Groep    | =0717          | Niveau achter krooshek pomp 7 |
| Groep    | =0718          | Niveau achter krooshek pomp 8 |
| Groep    | =0719          | Niveau achter krooshek pomp 9 |
| Groep    | =0721          | Niveau vacuumtank 1           |
| Groep    | =0722          | Niveau vacuumtank 2           |
| Groep    | =0723          | Niveau vacuumtank 3           |
| Groep    | =0724          | Niveau vacuumtank 4           |
| Groep    | =0725          | Niveau vacuumtank 5           |
| Groep    | =0726          | Niveau vacuumtank 6           |
| Groep    | =0727          | Niveau vacuumtank 7           |
| Groep    | =0728          | Niveau vacuumtank 8           |
| Groep    | =0729          | Niveau vacuumtank 9           |
| Groep    | =0741          | Niveau stuw 1                 |
| Groep    | =0781          | Niveau brandstoftank pomp 1   |
| Groep    | =0782          | Niveau brandstoftank pomp 2   |
| Groep    | =0783          | Niveau brandstoftank pomp 3   |
| Groep    | =0784          | Niveau brandstoftank pomp 4   |
| Groep    | =0785          | Niveau brandstoftank pomp 5   |
| Groep    | =0786          | Niveau brandstoftank pomp 6   |
| Groep    | =0787          | Niveau brandstoftank pomp 7   |
| Groep    | =0788          | Niveau brandstoftank pomp 8   |
| Groep    | =0789          | Niveau brandstoftank pomp 9   |
| Groep    | =0791          | Neeslagmeter                  |
| Groep    | =0792          | Chloride meting               |
| Groep    | =0801          | Verlichtingsinstallatie       |
| Groep    | =0802          | Krachtinstallatie algemeen    |

Structuurcodeoverzicht

HHSK\_Structuurcodeoverzicht

| Labeling     | Volledige code | Structuurbeschrijving         |
|--------------|----------------|-------------------------------|
| Groep        | =0803          | Lenspomp                      |
| Groep        | =0804          | Ventilatoren                  |
| Groep        | =0805          | Luchttoevoerroosters          |
| Groep        | =0806          | Luchtafvoerroosters           |
| Groep        | =0807          | Verwarming                    |
| Groep        | =0900          | Kathodische bescherming       |
| Groep        | =0901          | Overig                        |
| Groep        | =0902          | Overig                        |
| Groep        | =0903          | Overig                        |
| Groep        | =0904          | Overig                        |
| Groep        | =0999          | Overig                        |
| Groep        | =1000          | Kastaaanzicht en kastindeling |
| Groep        | =2000          | Installatie tekeningen        |
| Inbouwplaats | +BSK1          | Besturingskast 1              |
| Inbouwplaats | +BSK2          | Besturingskast 2              |
| Inbouwplaats | +FO1           | Frequentieregelaar 1          |
| Inbouwplaats | +FO2           | Frequentieregelaar 2          |
| Inbouwplaats | +HVK           | Hoofdverdeelkast              |
| Inbouwplaats | +LBK1          | Lokale bedieningskast 1       |
| Inbouwplaats | +LBK2          | Lokale bedieningskast 2       |
| Inbouwplaats | +MV1           | Machinevloer niveau 1         |
| Inbouwplaats | +MV2           | Machinevloer niveau 2         |
| Inbouwplaats | +NUTS          | Nutsbedrijf                   |
| Inbouwplaats | +UPS           | UPS                           |
| Inbouwplaats | +VK1           | Verdeelkast 1                 |
| Inbouwplaats | +VK2           | Verdeelkast 2                 |
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