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| --- |
| Project: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Naam inspecteur: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Datum inspectie: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Visuele controle**

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| --- | --- | --- | --- | --- | --- |
| Nr: | Omschrijving | Ja | Nee | N.v.t. | Par: |
| 1. | Juiste montage van de montageplaat |  |  |  |  |
| 2. | Juiste montage van de componenten |  |  |  |  |
| 3. | Juiste montage van de kast |  |  |  |  |
| 4. | Spanningsvoerende delen zijn afgeschermd |  |  |  |  |
| 5. | De kast is geaard |  |  |  |  |
| 6. | De DIN-rail is geaard |  |  |  |  |
| 7. | De klemmenstrookcodering is juist en compleet |  |  |  |  |
| 8. | De kast is schoon? (IJzervijlsel, aderhulsjes, etc.) |  |  |  |  |
| 9. | Alle componenten zijn juist ingesteld/geconfigureerd |  |  |  |  |
| 10. | Eventuele waarschuwingsstickers zijn aangebracht |  |  |  |  |
| 11. | Kast volledig geassembleerd |  |  |  |  |
| 12. | De voedingskabel is aangesloten |  |  |  |  |

**Functionele test**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nr: | Omschrijving | Ja | Nee | N.v.t. | Par: |
| 1. | Testen van alle relais |  |  |  |  |
| 2. | Voeding is ingeschakeld |  |  |  |  |
| 3. | Digitale ingangen werken |  |  |  |  |
| 4. | Digitale uitgangen werken |  |  |  |  |
| 5 | Analoge ingangen werken |  |  |  |  |
| 6. | Analoge uitgangen werken |  |  |  |  |
| 7. | Testen van de start functie |  |  |  |  |
| 8. | Testen van de stop functie |  |  |  |  |
| 9. | Testen van de storingsmelding |  |  |  |  |
| 10. | Testen van overige functies  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
| 11. | Testen van overige functies  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
| 12. | Testen van overige functies  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
| 13. | Instellingen van beveiligingen komen overeen met notitie in tekenpakket |  |  |  |  |
| 14. | Instellingen van beveiligingen, voedingen e.d. in tekeningpakket genoteerd. |  |  |  |  |

**Spanningsmeting stuurstroom**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nr: | Omschrijving | Ja | Nee | N.v.t. | Par: |
| 1. | Spanningsmeting L+ – L- (12Vdc / 24Vdc / tol 8%)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |

**Spanningsmeting**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nr: | Omschrijving | Ja | Nee | N.v.t. | Par: |
| 1. | Spanningsmeting Trafo (12Vdc / 24Vdc / tol 5%)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |
| 2. | Spanningsmeting L1 – N (230Vac / tol 5%)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 3. | Spanningsmeting L2 – N (230Vac / tol 5%)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |
| 4. | Spanningsmeting L3 – N (230Vac / tol 5%)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |
| 5. | Spanningsmeting L1 – L2 (400Vac / tol 10%)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |
| 6. | Spanningsmeting L1 – L3 (400Vac / tol 10%)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |
| 7. | Spanningsmeting L2 – L3 (400Vac / tol 10%)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |
| 8. | Spanningsmeting N – PE (0V)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |
| 9. | Spanningsmeting L1 – PE (230V)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |
| 10. | Spanningsmeting L2 – PE (230V)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |
| 11. | Spanningsmeting L3 – PE (230V)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_V |  |  |  |  |

**Weerstandsmeting**

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| --- | --- | --- | --- | --- | --- |
| Nr: | Omschrijving | Ja | Nee | N.v.t. | Par: |
| 1. | Weerstandsmeting PE – metalengestel (<0,5Ω)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_Ω |  |  |  |  |
| 2. | Weerstandsmeting PE – N (<0,5Ω)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_Ω |  |  |  |  |
| 3. | Isolatiemeting L1 (>1MΩ / 500V)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_Ω |  |  |  |  |
| 4. | Isolatiemeting L2 (>1MΩ / 500V)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_Ω |  |  |  |  |
| 5. | Isolatiemeting L3 (>1MΩ / 500V)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_Ω |  |  |  |  |
| 6. | Isolatiemeting N (>1MΩ / 500V)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_Ω |  |  |  |  |
| 7. | Isolatiemeting PE (>1MΩ / 500V)  \_\_\_\_\_\_\_\_\_\_\_\_\_\_Ω |  |  |  |  |

**Administratieve controle**

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| Nr: | Omschrijving | | Ja | Nee | | N.v.t. | | Par: |
| 1. | Tekening is aanwezig in kast | |  |  | |  | |  |
| 2. | Wijzigingen verwerkt in tekeningenpakket | |  |  | |  | |  |
| 3. | Zijn er foto’s gemaakt van de kast (binnen en buitenzijde) en in dossier opgenomen? |  | | |  | |  |  |
| 4. | As built pakket in het dossier. |  | | |  | |  |  |
| 5. | Materialenlijst ingevuld en in dossier. |  | | |  | |  |  |
| 6. | Testformulier in dossier. |  | | |  | |  |  |
| 7. | Geen losse componenten en accessoires in kast. |  | | |  | |  |  |

\* Indien één van bovenstaande punten met ‘nee’ is beantwoord, mag de installatie niet worden uitgegeven.

|  |  |
| --- | --- |
| FAT uitgevoerd door  Naam :  Datum : | Handtekening: |
| Op- en aanmerkingen bijgevoegd ja/nee. Aantal bladen:  Vervolg acties: | |