

# Siège NTIC-OFPPT

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| Indice | Date       | Objet | Dessiné | Vérifié | Approuvé |
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| A      | 28/09/2020 |       |         |         |          |

**Société  
Responsable  
Adresse**

**ETUDE**

**Société  
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**Code Postal**  
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# LOGO

## Entreprise

Indice : A

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| Date : | 01/10/2020 |
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**AFFAIRE N°****PLAN N°**

Folio

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| Folio | Libellé                                  | Indice | Date       | Folio | Libellé                                  | Indice | Date       |
|-------|--|--------|------------|-------|--|--------|------------|
| 1     | Page de garde                            | A      | 28/09/2020 | 26    | Unifilaire Industriel 10 circuits/TP-2-N | A      | 28/09/2020 |
| 2     | Liste des folios                         | A      | 28/09/2020 | 27    | Unifilaire Industriel 10 circuits/TP-2-N | A      | 28/09/2020 |
| 3     | Unifilaire Industriel 10 circuits/ARRIVE | A      | 28/09/2020 | 28    | Unifilaire Industriel 10 circuits/TP-2-N | A      | 28/09/2020 |
| 4     | Unifilaire Industriel 10 circuits/TGBT   | A      | 28/09/2020 | 29    | Unifilaire Industriel 10 circuits/TP-2-N | A      | 28/09/2020 |
| 5     | Unifilaire Industriel 10 circuits/TP-1-N | A      | 28/09/2020 | 30    | Unifilaire Industriel 10 circuits/TP-2-N | A      | 28/09/2020 |
| 6     | Unifilaire Industriel 10 circuits/TP-1-N | A      | 28/09/2020 |       |  |        |            |
| 7     | Unifilaire Industriel 10 circuits/TP-3-O | A      | 28/09/2020 |       |  |        |            |
| 8     | Unifilaire Industriel 10 circuits/TP-3-O | A      | 28/09/2020 |       |  |        |            |
| 9     | Unifilaire Industriel 10 circuits/TP-3-O | A      | 28/09/2020 |       |  |        |            |
| 10    | Unifilaire Industriel 10 circuits/TP-2-O | A      | 28/09/2020 |       |  |        |            |
| 11    | Unifilaire Industriel 10 circuits/TP-2-O | A      | 28/09/2020 |       |  |        |            |
| 12    | Unifilaire Industriel 10 circuits/TP-2-O | A      | 28/09/2020 |       |  |        |            |
| 13    | Unifilaire Industriel 10 circuits/TP-3-N | A      | 28/09/2020 |       |  |        |            |
| 14    | Unifilaire Industriel 10 circuits/TP-3-N | A      | 28/09/2020 |       |  |        |            |
| 15    | Unifilaire Industriel 10 circuits/TP-3-N | A      | 28/09/2020 |       |  |        |            |
| 16    | Unifilaire Industriel 10 circuits/TP-3-N | A      | 28/09/2020 |       |  |        |            |
| 17    | Unifilaire Industriel 10 circuits/TP-3-N | A      | 28/09/2020 |       |  |        |            |
| 18    | Unifilaire Industriel 10 circuits/TP-3-N | A      | 28/09/2020 |       |  |        |            |
| 19    | Unifilaire Industriel 10 circuits/TP-3-N | A      | 28/09/2020 |       |  |        |            |
| 20    | Unifilaire Industriel 10 circuits/TP-3-N | A      | 28/09/2020 |       |  |        |            |
| 21    | Unifilaire Industriel 10 circuits/TP-3-N | A      | 28/09/2020 |       |  |        |            |
| 22    | Unifilaire Industriel 10 circuits/TP-2-N | A      | 28/09/2020 |       |  |        |            |
| 23    | Unifilaire Industriel 10 circuits/TP-2-N | A      | 28/09/2020 |       |  |        |            |
| 24    | Unifilaire Industriel 10 circuits/TP-2-N | A      | 28/09/2020 |       |  |        |            |
| 25    | Unifilaire Industriel 10 circuits/TP-2-N | A      | 28/09/2020 |       |  |        |            |

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| LOGO<br>Entreprise | Siège NTIC-OFPPT |                   |               |  | AFFAIRE N° |    | Folio |
|                    |                  | A                 |               |  |            |    | 2     |
|                    |                  | Ind.              | MODIFICATIONS |  | PLAN N°    | 30 |       |
|                    |                  | Date : 01/10/2020 |               |  |            |    |       |
| Liste des folios   |                  |                   |               |  |            |    |       |

Fichier : Siège NTIC-OFPPT.AFR

|                    |                   |                  |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|--------------------|-------------------|------------------|--------------|--|--------|--------|---------|-----------------|---------|--------|---|---|--|--|--|--------|--|---------------|--|---|--|---------|--|------------|--|--|--|---|--|----------|--|
| Révision           |                   |                  |              | A  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| RESEAU             |                   |                  |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| Rég.de N           |                   | TT               |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| Tension            |                   | 400 V            |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| DISTRIBUTION       |                   |                  |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| Amont              |                   | SOURCE           |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| Repère             |                   | ARRIVEE          |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    |                   |                  |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| I Totale           |                   | 160 A            |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| I installée        |                   | 144 A            |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| Ik3 max            |                   | 6000 A           |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| Ik1 max            |                   | 3000 A           |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| dU max             |                   | Normal<br>0,00 % |              | Secours<br>0,00 %  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| CIRCUIT            | Repère            |                  | SOURCE       |  |        |        | C 1     |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | Distribution Aval |                  | ARRIVEE      |  |        |        | TGBT    |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | Désignation       |                  |              |  |        |        | TGBT    |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | Nb                | Consommation     | 1            |  | 160A   |        | 1       |                 | 100KVA  |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| Alimentation       |                   | Normal           |              |  |        | Normal |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| LIAISON            | JdB / Ip          | D. Origine       |              | / 0,00 kA / 0 m  |        |        |         | / 6,27 kA / 0 m |         |        |   | / |  |  |  | /      |  |               |  | / |  |         |  | /          |  |  |  | / |  |          |  |
|                    | Type              |                  | U1000R2V     |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | Longueur          |                  | Ame          |  | 0 m    |        | 60 m    |                 | Cu      |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | L.Max prot.       |                  | 107 m (CC)   |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | dU Totale         | dU Dém.          | 0,00 %       |  | 0 %    |        | 1,20 %  |                 | 1,2 %   |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | Nb                | Câble            | 0            |  |        |        | 0       |                 | 4X70    |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | Neutre<br>PE/PEN  |                  | Séparé       |  | 1X25   |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | IB                | Iz               | 160,0 A      |  | 0,0 A  |        | 144,3 A |                 | 146,6 A |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | Ik3 Max           | Ik2 Min          | 6000 A       |  | 2714 A |        | 4426 A  |                 | 3265 A  |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | Ik1 Min           | ID               | A            |  |        |        | 1885 A  |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | ID / IN           |                  | Cos PHI Dém. |  | 0,00   |        | 0       |                 | 0,00    |        | 0 |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| Sélectivité        |                   |                  |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| PROT.              | Type              | Déclencheur      |              | NS160NTM160D 4P3D  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | Calibre           | Tempo            |              | 0 A  |        | ms     |         | 160 A           |         | ms     |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | ID                | Tempo.Diff.      |              |  |        | ms     |         |                 |         | ms     |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | IrTh/IN           | IrMg/IN          |              | 0 A  |        | 0 A    |         | 145 A           |         | 1250 A |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | IrMg max.         |                  | 0 A          |  |        |        | 1571 A  |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    | Contacteur        |                  |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| Relais thermique   |                   |                  |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
|                    |                   |                  |              |  |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  |            |  |  |  |   |  |          |  |
| LOGO<br>Entreprise |                   |                  |              | Siège NTIC-OFPPT<br><br>Unifilaire Industriel 10 circuits ARRIVE |        |        |         |                 |         |        |   |   |  |  |  |        |  |               |  |   |  |         |  | AFFAIRE N° |  |  |  |   |  | Folio    |  |
|                    |                   |                  |              |  |        |        |         |                 |         |        |   |   |  |  |  | A      |  |               |  |   |  |         |  |            |  |  |  |   |  | 3        |  |
|                    |                   |                  |              |  |        |        |         |                 |         |        |   |   |  |  |  | Ind.   |  | MODIFICATIONS |  |   |  |         |  | PLAN N°    |  |  |  |   |  | 30       |  |
|                    |                   |                  |              |  |        |        |         |                 |         |        |   |   |  |  |  | Date : |  | 01/10/2020    |  |   |  | Norme : |  |            |  |  |  |   |  | C1510002 |  |

|                  |                   |               |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|------------------|-------------------|---------------|--------------|----------------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|--|--------------|--|-----------|--|------|--|------|--|-------|--|------|--|--|--|
| Révision         |                   |               |              | A              |                 | A        |                 | A        |                 | A        |                 | A        |                 | A        |                 | A          |                 | A          |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| RESEAU           |                   |               |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| Rég.de N         |                   | TT            |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| Tension          |                   | 400 V         |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| Amont            |                   | C_1           |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| Repère           |                   | TGBT          |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| DISTRIBUTION     |                   |               |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| Amont            |                   | C_1           |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| Repère           |                   | TGBT          |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  |                   |               |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| I Totale         |                   | 144 A         |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| I installée      |                   | 219 A         |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| Ik3 max          |                   | 4426 A        |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| Ik1 max          |                   | 2213 A        |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| dU max           |                   | Normal 1,20 % |              | Secours 0,00 % |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| CIRCUIT          | Repère            |               | C 1          |                | C 2             |          | C 7             |          | C 6             |          | C 4             |          | C 3             |          | C 8             |            | C 9             |            | C 10            |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | Distribution Aval |               | TGBT         |                | TP-1-N          |          | TP-2-N          |          | TP-3-N          |          | TP-2-O          |          | TP-3-O          |          | PAC AIR EAU (1) |            | PAC AIR EAU (2) |            | Ascenseur       |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | Désignation       |               |              |                | TP-1-N          |          | TP-2-N          |          | TP-3-N          |          | TP-2-O          |          | TP-3-O          |          | PAC AIR EAU (1) |            | PAC AIR EAU (2) |            | Ascenseur       |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | Nb                |               | Consommation |                | 1               |          | 100KVA          |          | 1               |          | 3.5KW           |          | 1               |          | 17KW            |            | 1               |            | 17KW            |            | 1               |  | 8KW          |  |           |  |      |  |      |  |       |  |      |  |  |  |
| Alimentation     |                   | Normal        |              | Normal         |                 | Normal   |                 | Normal   |                 | Normal   |                 | Normal   |                 | Normal   |                 | Normal     |                 | Normal     |                 | Normal     |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| LIAISON          | JdB / Ip          |               | D. Origine   |                | / 0,00 kA   0 m |          | / 3,54 kA   0 m |          | / 3,04 kA   0 m |          | / 2,66 kA   0 m |          | / 2,20 kA   0 m |          | / 1,88 kA   0 m |            | / 3,45 kA   0 m |            | / 3,45 kA   0 m |            | / 3,04 kA   0 m |  | /            |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | Type              |               | U1000R2V     |                | U1000R2V        |          | U1000R2V        |          | U1000R2V        |          | U1000R2V        |          | U1000R2V        |          | U1000R2V        |            | U1000R2V        |            | U1000R2V        |            | U1000R2V        |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | Longueur          |               | Ame          |                | 60 m   Cu       |          | 30 m   Cu       |          | 40 m   Cu       |          | 50 m   Cu       |          | 40 m   Cu       |          | 50 m   Cu       |            | 50 m   Cu       |            | 50 m   Cu       |            | 40 m   Cu       |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | L.Max prot.       |               |              |                | 107 m (CC)      |          | 130 m (CC)      |          | 99 m (CC)       |          | 99 m (CC)       |          | 78 m (CC)       |          | 78 m (CC)       |            | 86 m (CC)       |            | 86 m (CC)       |            | 173 m (CC)      |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | dU Totale         |               | dU Dém.      |                | 1,20 %   1,2 %  |          | 1,35 %   1,35 % |          | 2,23 %   2,23 % |          | 2,49 %   2,49 % |          | 2,00 %   2 %    |          | 2,20 %   2,2 %  |            | 2,74 %   2,74 % |            | 2,74 %   2,74 % |            | 1,44 %   1,44 % |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | Nb                |               | Câble        |                | 0               |          | 4X70            |          | 0               |          | 5G10            |          | 0               |          | 5G10            |            | 0               |            | 5G16            |            | 0               |  | 5G16         |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | Neutre PE/PEN     |               | Séparé       |                | 1X25            |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | IB                |               | Iz           |                | 144,3 A   0,0 A |          | 6,3 A   53,8 A  |          | 30,7 A   53,8 A |          | 30,7 A   53,8 A |          | 14,4 A   39,1 A |          | 14,4 A   39,1 A |            | 57,7 A   72,1 A |            | 57,7 A   72,1 A |            | 7,2 A   53,8 A  |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | Ik3 Max           |               | Ik2 Min      |                | 4426 A   3265 A |          | 2361 A   1574 A |          | 2027 A   1333 A |          | 1774 A   1154 A |          | 1470 A   944 A  |          | 1251 A   797 A  |            | 2303 A   1534 A |            | 2303 A   1534 A |            | 2027 A   1333 A |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | Ik1 Min           |               | ID           |                | 1885 A          |          | 909 A           |          | 770 A           |          | 666 A           |          | 545 A           |          | 460 A           |            | 886 A           |            | 886 A           |            | 770 A           |  | 1333 A       |  |           |  |      |  |      |  |       |  |      |  |  |  |
| ID / IN          |                   | Cos PHI Dém.  |              | 0,00   0       |                 | 0,00   0 |                 | 0,00   0 |                 | 0,00   0 |                 | 0,00   0 |                 | 0,00   0 |                 | 1,00   0,3 |                 | 1,00   0,3 |                 | 1,00   0,3 |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| Sélectivité      |                   |               |              | Totale         |                 | Totale   |                 | Totale   |                 | Totale   |                 | Totale   |                 | Totale   |                 | Totale     |                 | Totale     |                 | Totale     |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| PROT.            | Type              |               | Déclencheur  |                | NS160NTM160D    |          | DT40            |          | 4P3D            |          | DT40            |          | 4P3D            |          | DT40            |            | 4P3D            |            | DT40            |            | 4P3D            |  | C60N         |  | 4P3D      |  | C60N |  | 4P3D |  | DT40N |  | 4P3D |  |  |  |
|                  | Calibre           |               | Tempo        |                | 160 A   ms      |          | 32 A   ms       |          | 40 A   ms       |          | 40 A   ms       |          | 32 A   ms       |          | 32 A   ms       |            | 63 A   ms       |            | 63 A   ms       |            | 63 A   ms       |  | 25 A   ms    |  | 25 A   ms |  |      |  |      |  |       |  |      |  |  |  |
|                  | ID                |               | Tempo.Diff.  |                | ms              |          | ms              |          | ms              |          | ms              |          | ms              |          | ms              |            | ms              |            | ms              |            | ms              |  | ms           |  | ms        |  | ms   |  | ms   |  |       |  |      |  |  |  |
|                  | IrTh/IN           |               | IrMg/IN      |                | 145 A   1250 A  |          | 32 A   320 A    |          | 40 A   400 A    |          | 40 A   400 A    |          | 32 A   320 A    |          | 32 A   320 A    |            | 63 A   630 A    |            | 63 A   630 A    |            | 63 A   630 A    |  | 25 A   250 A |  | 250 A     |  |      |  |      |  |       |  |      |  |  |  |
|                  | IrMg max.         |               |              |                | 0 A             |          | 909 A           |          | 770 A           |          | 666 A           |          | 545 A           |          | 460 A           |            | 886 A           |            | 886 A           |            | 770 A           |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  | Contacteur        |               |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
| Relais thermique |                   |               |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |
|                  |                   |               |              |                |                 |          |                 |          |                 |          |                 |          |                 |          |                 |            |                 |            |                 |            |                 |  |              |  |           |  |      |  |      |  |       |  |      |  |  |  |

LOGO

Entreprise

Siège NTIC-OFPPT

Unifilaire Industriel 10 circuits TGBT

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Ind.

Date : 01/10/2020

Norme : C1510002

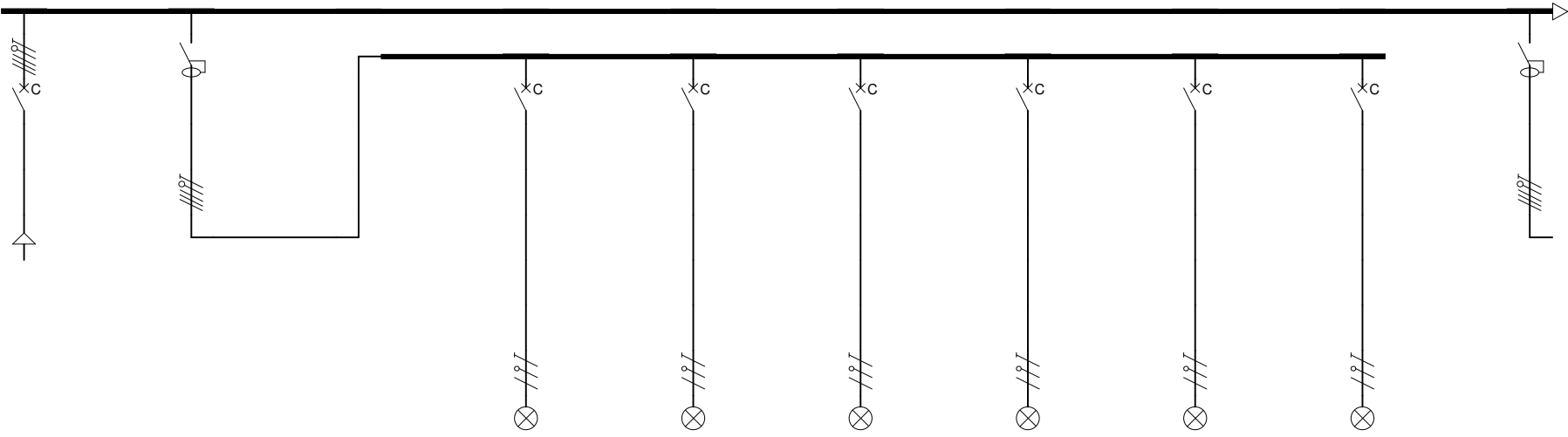
AFFAIRE N°

PLAN N°

Folio

4

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|                    |                   |                                 |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
|--------------------|-------------------|---------------------------------|--------------|---|-----------------|--------|-----------------|--------|-----------------|--------|---------------------|------------------|---------------------|--------|---------------------|--------|---------------------|--------|---------------------|---------------------------|-----------------|-------|--|--|--|--|--|
| Révision           |                   |                                 |              | A   |                 | A      |                 | A      |                 | A      |                     | A                |                     | A      |                     | A      |                     | A      |                     |                           |                 |       |  |  |  |  |  |
| RESEAU             |                   |                                 |              |  |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| Rég.de N           |                   | TT                              |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| Tension            |                   | 400 V                           |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| DISTRIBUTION       |                   |                                 |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| Amont              |                   | C_2                             |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| Repère             |                   | TP-1-N                          |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
|                    |                   |                                 |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| I Totale           |                   | 6 A                             |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| I installée        |                   | 9 A                             |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| Ik3 max            |                   | 2361 A                          |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| Ik1 max            |                   | 1181 A                          |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| dU max             |                   | Normal 1,35 %<br>Secours 0,00 % |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| CIRCUIT            | Repère            |                                 | C 2          |   | C 11            |        | J 1             |        | C 18            |        | C 17                |                  | C 16                |        | C 15                |        | C 14                |        | C 13                |                           | C 19            |       |  |  |  |  |  |
|                    | Distribution Aval |                                 | TP-1-N       |   |                 |        | C_11            |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
|                    | Désignation       |                                 |              |   | JDB ECL 1       |        |                 |        | E2              |        | E3                  |                  | E4                  |        | E5                  |        | E6                  |        | E7                  |                           | JDB PC 1        |       |  |  |  |  |  |
|                    | Nb                | Consommation                    | 1            | 3.5KW   | 1               | 0.5KW  | 0               |        | 4               | 1*36W  | 5                   | 1*36W            | 5                   | 1*36W  | 5                   | 1*36W  | 5                   | 1*36W  | 2                   | 1*36W                     | 1               | 3KW   |  |  |  |  |  |
| Alimentation       |                   | Normal                          |              | Normal  |                 |        |                 | Normal |                 | Normal |                     | Normal           |                     | Normal |                     | Normal |                     | Normal |                     | Normal                    |                 |       |  |  |  |  |  |
| LIAISON            | JdB / Ip          |                                 | D. Origine   |   | / 0,00 kA   0 m |        | / 3,54 kA   0 m |        | / 0,00 kA   0 m |        | J_1 / 0,46 kA   0 m |                  | J_1 / 0,46 kA   0 m |        | J_1 / 0,46 kA   0 m |        | J_1 / 0,46 kA   0 m |        | J_1 / 0,46 kA   0 m |                           | / 3,54 kA   0 m |       |  |  |  |  |  |
|                    | Type              |                                 |              |   | U1000R2V        |        | U1000R2V        |        |                 |        | U1000R2V            |                  | U1000R2V            |        | U1000R2V            |        | U1000R2V            |        | U1000R2V            |                           | U1000R2V        |       |  |  |  |  |  |
|                    | Longueur          |                                 | Ame          |   | 30 m   Cu       |        | 0 m   Cu        |        | 0 m             |        | 25 m   Cu           |                  | 25 m   Cu           |        | 25 m   Cu           |        | 25 m   Cu           |        | 25 m   Cu           |                           | 0 m   Cu        |       |  |  |  |  |  |
|                    | L.Max prot.       |                                 |              |   | 130 m (CC)      |        |                 |        |                 |        | 65 m (CC)           |                  | 65 m (CC)           |        | 65 m (CC)           |        | 65 m (CC)           |        | 65 m (CC)           |                           |                 |       |  |  |  |  |  |
|                    | dU Totale         |                                 | dU Dém.      |   | 1,35 %   1,35 % |        | 1,35 %   0 %    |        | 0,00 %   0 %    |        | 1,57 %   1,62 %     |                  | 1,62 %   1,69 %     |        | 1,62 %   1,69 %     |        | 1,62 %   1,69 %     |        | 1,62 %   1,69 %     |                           | 1,46 %   1,49 % |       |  |  |  |  |  |
|                    | Nb   Câble        |                                 |              |   | 0   5G10        |        | 0               |        | 0               |        | 0   3G1.5           |                  | 0   3G1.5           |        | 0   3G1.5           |        | 0   3G1.5           |        | 0   3G1.5           |                           | 0               |       |  |  |  |  |  |
|                    | Neutre PE/PEN     |                                 | Séparé       |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
|                    | IB                |                                 | Iz           |   | 6,3 A   0,0 A   |        | 0,9 A   22,9 A  |        | 0,0 A   0,0 A   |        | 0,8 A   19,0 A      |                  | 1,1 A   19,0 A      |        | 1,1 A   19,0 A      |        | 1,1 A   19,0 A      |        | 1,1 A   19,0 A      |                           | 0,4 A   19,0 A  |       |  |  |  |  |  |
|                    | Ik3 Max           |                                 | Ik2 Min      |   | 2361 A   1574 A |        | 2361 A   1574 A |        | A   A           |        |                     |                  |                     |        |                     |        |                     |        |                     |                           | 2361 A   1574 A |       |  |  |  |  |  |
|                    | Ik1 Min           |                                 | ID           |   | 909 A           |        | 909 A           |        | 300 mA          |        | A                   |                  | 223 A               |        | 223 A               |        | 223 A               |        | 223 A               |                           | 223 A           |       |  |  |  |  |  |
| PROT.              | ID / IN           |                                 | Cos PHI Dém. |   | 0,00   0        |        | 0,00   0        |        | 0,00   0        |        | 1,00   0,92         |                  | 1,00   0,92         |        | 1,00   0,92         |        | 1,00   0,92         |        | 1,00   0,92         |                           | 0,00   0        |       |  |  |  |  |  |
|                    | Sélectivité       |                                 |              |   |                 |        |                 |        |                 |        | Fonct.              |                  | Fonct.              |        | Fonct.              |        | Fonct.              |        | Fonct.              |                           | Fonct.          |       |  |  |  |  |  |
|                    | Type              | Déclencheur                     | DT40         |   | ID              |        | 4P              |        | DT40 Ph+N       |        | 2P2D                |                  | DT40 Ph+N           |        | 2P2D                |        | DT40 Ph+N           |        | 2P2D                |                           | DT40 Ph+N       |       |  |  |  |  |  |
|                    | Calibre           | Tempo                           | 25 A         |   | ms              |        | 25 A            |        | ms              |        | 0 A                 |                  | ms                  |        | 10 A                |        | ms                  |        | 10 A                |                           | ms              |       |  |  |  |  |  |
| ID                 |                   | Tempo.Diff.                     |              | ms  |                 | 300 mA |                 | ms     |                 | ms     |                     | ms               |                     | ms     |                     | ms     |                     | ms     |                     | ms                        |                 |       |  |  |  |  |  |
| IrTh/IN            |                   | IrMg/IN                         |              | 25 A  |                 | 250 A  |                 | 0 A    |                 | 0 A    |                     | 0 A              |                     | 0 A    |                     | 10 A   |                     | 100 A  |                     | 10 A                      |                 | 100 A |  |  |  |  |  |
| IrMg max.          |                   |                                 |              | 0 A   |                 | 909 A  |                 | 0 A    |                 | 223 A  |                     | 223 A            |                     | 223 A  |                     | 223 A  |                     | 223 A  |                     | 223 A                     |                 | 909 A |  |  |  |  |  |
| Contacteur         |                   |                                 |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| Relais thermique   |                   |                                 |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
|                    |                   |                                 |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
| LOGO<br>Entreprise |                   |                                 |              | Siège NTIC-OFPPT<br><br>Unifilaire Industriel 10 circuits TP-1-N                  |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
|                    |                   |                                 |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
|                    |                   |                                 |              |   |                 |        |                 |        |                 |        |                     | A                |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
|                    |                   |                                 |              |   |                 |        |                 |        |                 |        |                     | Ind.             |                     |        |                     |        |                     |        |                     | MODIFICATIONS             |                 |       |  |  |  |  |  |
|                    |                   |                                 |              | Date : 01/10/2020   |                 |        |                 |        |                 |        |                     | Norme : C1510002 |                     |        |                     |        |                     |        |                     | AFFAIRE N°<br><br>PLAN N° |                 |       |  |  |  |  |  |
|                    |                   |                                 |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     |                           |                 |       |  |  |  |  |  |
|                    |                   |                                 |              |   |                 |        |                 |        |                 |        |                     |                  |                     |        |                     |        |                     |        |                     | Folio<br>5<br>30          |                 |       |  |  |  |  |  |



|                    |                   |                                 |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|--------------------|-------------------|---------------------------------|----------------|------------------|----------------|-----------------|---------------|--|-----------------|---------------------|-----------------|---------------------|-----------------|---------------------|-----------------|---------------------|-----------------|---------------------|-----------------|---------------------|-----------------|--|
| Révision           |                   |                                 |                | A                | A              | A               | A             | A  | A               | A                   | A               | A                   |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| RESEAU             |                   |                                 |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| Rég.de N           |                   | TT                              |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| Tension            |                   | 400 V                           |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| DISTRIBUTION       |                   |                                 |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| Amont              |                   | C_3                             |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| Repère             |                   | TP-3-O                          |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|                    |                   |                                 |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| I Totale           |                   | 14 A                            |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| I installée        |                   | 18 A                            |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| Ik3 max            |                   | 1251 A                          |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| Ik1 max            |                   | 625 A                           |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| dU max             |                   | Normal 2,20 %<br>Secours 0,00 % |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| CIRCUIT            | Repère            |                                 | C 3            |                  | C 157          |                 | J 5           |  | C 158           |                     | C 159           |                     | C 160           |                     | C 161           |                     | C 162           |                     | C 163           |                     | C 164           |  |
|                    | Distribution Aval |                                 | TP-3-O         |                  |                |                 | C 157         |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|                    | Désignation       |                                 |                |                  | JDB PC 2       |                 |               |  | PO1             |                     | PO2             |                     | PO3             |                     | PO4             |                     | PO5             |                     | PO6             |                     | PO7             |  |
|                    | Nb                | Consommation                    | 1   8KW        |                  | 1   3KW        |                 | 0             |  | 2   0.2KW       |                     | 3   0.2KW       |                     | 2   0.2KW       |                     | 2   0.2KW       |                     | 2   0.2KW       |                     | 3   0.2KW       |                     | 3   0.2KW       |  |
| Alimentation       |                   | Normal                          |                | Normal           |                |                 |               | Normal                                   |                 | Normal              |                 | Normal              |                 | Normal              |                 | Normal              |                 | Normal              |                 | Normal              |                 |  |
| LIAISON            | JdB / Ip          | D. Origine                      |                | / 0,00 kA   0 m  |                | / 1,88 kA   0 m |               | / 0,00 kA   0 m                          |                 | J 5 / 0,55 kA   0 m |                 | J 5 / 0,55 kA   0 m |                 | J 5 / 0,55 kA   0 m |                 | J 5 / 0,55 kA   0 m |                 | J 5 / 0,55 kA   0 m |                 | J 5 / 0,55 kA   0 m |                 |  |
|                    | Type              |                                 | U1000R2V       |                  | U1000R2V       |                 |               |  | U1000R2V        |                     | U1000R2V        |                     | U1000R2V        |                     | U1000R2V        |                     | U1000R2V        |                     | U1000R2V        |                     | U1000R2V        |  |
|                    | Longueur          |                                 | 50 m   Cu      |                  | 0 m   Cu       |                 | 0 m           |  | 20 m   Cu       |                     | 20 m   Cu       |                     | 20 m   Cu       |                     | 20 m   Cu       |                     | 20 m   Cu       |                     | 20 m   Cu       |                     | 20 m   Cu       |  |
|                    | L.Max prot.       |                                 | 78 m (CC)      |                  |                |                 |               |  | 50 m (CC)       |                     | 50 m (CC)       |                     | 50 m (CC)       |                     | 50 m (CC)       |                     | 50 m (CC)       |                     | 50 m (CC)       |                     | 50 m (CC)       |  |
|                    | dU Totale         | dU Dém.                         | 2,20 %   2,2 % |                  | 2,20 %   0 %   |                 | 0,00 %   0 %  |  | 2,43 %   2,43 % |                     | 2,55 %   2,55 % |                     | 2,43 %   2,43 % |                     | 2,43 %   2,43 % |                     | 2,43 %   2,43 % |                     | 2,55 %   2,55 % |                     | 2,55 %   2,55 % |  |
|                    | Nb                | Câble                           | 0   5G6        |                  | 0              |                 | 0             |  | 0   3G2.5       |                     | 0   3G2.5       |                     | 0   3G2.5       |                     | 0   3G2.5       |                     | 0   3G2.5       |                     | 0   3G2.5       |                     | 0   3G2.5       |  |
|                    | Neutre PE/PEN     |                                 | Séparé         |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|                    | IB                | Iz                              | 14,4 A   0,0 A |                  | 5,4 A   22,9 A |                 | 0,0 A   0,0 A |  | 2,2 A   26,1 A  |                     | 3,2 A   26,1 A  |                     | 2,2 A   26,1 A  |                     | 2,2 A   26,1 A  |                     | 2,2 A   26,1 A  |                     | 3,2 A   26,1 A  |                     | 3,2 A   26,1 A  |  |
|                    | Ik3 Max           | Ik2 Min                         | 1251 A   797 A |                  | 1251 A   797 A |                 | A   A         |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|                    | Ik1 Min           | ID                              | 460 A          |                  | 460 A   30 mA  |                 | A             |  | 263 A           |                     | 263 A           |                     | 263 A           |                     | 263 A           |                     | 263 A           |                     | 263 A           |                     | 263 A           |  |
| ID / IN            | Cos PHI Dém.      | 0,00   0                        |                | 0,00   0         |                | 0,00   0        |               | 0,00   0                                 |                 | 0,00   0            |                 | 0,00   0            |                 | 0,00   0            |                 | 0,00   0            |                 | 0,00   0            |                 | 0,00   0            |                 |  |
| Sélectivité        |                   |                                 |                |                  |                |                 |               | Fonct.                                   |                 | Fonct.              |                 | Fonct.              |                 | Fonct.              |                 | Fonct.              |                 | Fonct.              |                 | Fonct.              |                 |  |
| PROT.              | Type              | Déclencheur                     |                | DT40             |                | ID 4P           |               | DT40 Ph+N 2P2D                           |                 | DT40 Ph+N 2P2D      |                 | DT40 Ph+N 2P2D      |                 | DT40 Ph+N 2P2D      |                 | DT40 Ph+N 2P2D      |                 | DT40 Ph+N 2P2D      |                 | DT40 Ph+N 2P2D      |                 |  |
|                    | Calibre           | Tempo                           |                | 25 A   ms        |                | 25 A   ms       |               | 0 A   ms                                 |                 | 16 A   ms           |                 | 16 A   ms           |                 | 16 A   ms           |                 | 16 A   ms           |                 | 16 A   ms           |                 | 16 A   ms           |                 |  |
|                    | ID                | Tempo.Diff.                     |                | ms               |                | ms              |               | ms                                       |                 | ms                  |                 | ms                  |                 | ms                  |                 | ms                  |                 | ms                  |                 | ms                  |                 |  |
|                    | IrTh/IN           | IrMg/IN                         |                | 25 A   250 A     |                | 0 A   0 A       |               | 0 A   0 A                                |                 | 16 A   160 A        |                 | 16 A   160 A        |                 | 16 A   160 A        |                 | 16 A   160 A        |                 | 16 A   160 A        |                 | 16 A   160 A        |                 |  |
|                    | IrMg max.         |                                 | 0 A            |                  | 460 A          |                 | 0 A           |  | 263 A           |                     | 263 A           |                     | 263 A           |                     | 263 A           |                     | 263 A           |                     | 263 A           |                     |                 |  |
|                    | Contacteur        |                                 |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|                    | Relais thermique  |                                 |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|                    |                   |                                 |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
| LOGO<br>Entreprise |                   |                                 |                | Siège NTIC-OFPPT |                |                 |               | Unifilaire Industriel 10 circuits TP-3-O |                 |                     |                 |                     |                 |                     |                 | AFFAIRE N°          |                 |                     |                 | Folio<br>7 / 30     |                 |  |
|                    |                   |                                 |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|                    |                   |                                 |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|                    |                   |                                 |                |                  |                |                 |               |  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|                    |                   |                                 |                |                  |                |                 |               | A  |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|                    |                   |                                 |                |                  |                |                 |               | Ind.                                     |                 |                     |                 | MODIFICATIONS       |                 |                     |                 |                     |                 |                     |                 |                     |                 |  |
|                    |                   |                                 |                |                  |                |                 |               | Date : 01/10/2020                        |                 |                     |                 | Norme : C1510002    |                 |                     |                 | PLAN N°             |                 |                     |                 |                     |                 |  |

Fichier : Siège NTIC-OFPPT.AFR

|                        |  |                       |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
|------------------------|--|-----------------------|--|---------------------|--|---------------------|--|-----------------|--|-----------------|--|---------------------|--|---------------------|--|---------------------|--|---------------------|--|---------------------|--|---------------------|--|
| Révision               |  |                       |  | A                   |  | A                   |  | A               |  | A               |  | A                   |  | A                   |  | A                   |  | A                   |  |                     |  |                     |  |
| RESEAU                 |  |                       |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| Rég.de N               |  | TT                    |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| Tension                |  | 400 V                 |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| DISTRIBUTION           |  |                       |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| Amont                  |  | C_3                   |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| Repère                 |  | TP-3-O                |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
|                        |  |                       |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| I Totale               |  | 14 A                  |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| I installée            |  | 18 A                  |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| Ik3 max                |  | 1251 A                |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| Ik1 max                |  | 625 A                 |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| dU max                 |  | Normal 2,20 %         |  | Secours 0,00 %      |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| CIRCUIT                |  | Repère                |  | C 165               |  | C 166               |  | C 167           |  | J 1             |  | C 168               |  | C 169               |  | C 170               |  | C 171               |  | C 172               |  | C 173               |  |
|                        |  | Distribution Aval     |  |                     |  |                     |  |                 |  | C 167           |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
|                        |  | Désignation           |  | PO8                 |  | PO9                 |  | JDB PC 2        |  |                 |  | PO10                |  | PO11                |  | PO12                |  | PO13                |  | PO14                |  | PO15                |  |
|                        |  | Nb   Consommation     |  | 3   0.2KW           |  | 3   0.2KW           |  | 1   3KW         |  | 0               |  | 2   0.2KW           |  | 3   0.2KW           |  | 2   0.2KW           |  | 2   0.2KW           |  | 2   0.2KW           |  | 3   0.2KW           |  |
|                        |  | Alimentation          |  | Normal              |  | Normal              |  | Normal          |  |                 |  | Normal              |  | Normal              |  | Normal              |  | Normal              |  | Normal              |  | Normal              |  |
| LIAISON                |  | JdB / Ip   D. Origine |  | J 5 / 0,55 kA   0 m |  | J 5 / 0,55 kA   0 m |  | / 1,88 kA   0 m |  | / 0,00 kA   0 m |  | J 1 / 0,55 kA   0 m |  | J 1 / 0,55 kA   0 m |  | J 1 / 0,55 kA   0 m |  | J 1 / 0,55 kA   0 m |  | J 1 / 0,55 kA   0 m |  | J 1 / 0,55 kA   0 m |  |
|                        |  | Type                  |  | U1000R2V            |  | U1000R2V            |  | U1000R2V        |  |                 |  | U1000R2V            |  | U1000R2V            |  | U1000R2V            |  | U1000R2V            |  | U1000R2V            |  | U1000R2V            |  |
|                        |  | Longueur   Ame        |  | 20 m   Cu           |  | 20 m   Cu           |  | 0 m   Cu        |  | 0 m             |  | 20 m   Cu           |  | 20 m   Cu           |  | 20 m   Cu           |  | 20 m   Cu           |  | 20 m   Cu           |  | 20 m   Cu           |  |
|                        |  | L.Max prot.           |  | 50 m (CC)           |  | 50 m (CC)           |  | 50 m (CC)       |  |                 |  | 50 m (CC)           |  | 50 m (CC)           |  | 50 m (CC)           |  | 50 m (CC)           |  | 50 m (CC)           |  | 50 m (CC)           |  |
|                        |  | dU Totale   dU Dém.   |  | 2,55 %   2,55 %     |  | 2,55 %   2,55 %     |  | 2,20 %   0 %    |  | 0,00 %   0 %    |  | 2,43 %   2,43 %     |  | 2,55 %   2,55 %     |  | 2,43 %   2,43 %     |  | 2,43 %   2,43 %     |  | 2,43 %   2,43 %     |  | 2,55 %   2,55 %     |  |
|                        |  | Nb   Câble            |  | 0   3G2.5           |  | 0   3G2.5           |  | 0               |  | 0               |  | 0   3G2.5           |  | 0   3G2.5           |  | 0   3G2.5           |  | 0   3G2.5           |  | 0   3G2.5           |  | 0   3G2.5           |  |
|                        |  | Neutre PE/PEN         |  | Séparé              |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
|                        |  | IB                    |  | Iz                  |  | 3,2 A   26,1 A      |  | 3,2 A   26,1 A  |  | 5,4 A   22,9 A  |  | 0,0 A   0,0 A       |  | 2,2 A   26,1 A      |  | 3,2 A   26,1 A      |  | 2,2 A   26,1 A      |  | 2,2 A   26,1 A      |  | 3,2 A   26,1 A      |  |
|                        |  | Ik3 Max               |  | Ik2 Min             |  |                     |  |                 |  | 1251 A   797 A  |  | A   A               |  |                     |  |                     |  |                     |  |                     |  |                     |  |
|                        |  | Ik1 Min               |  | ID                  |  | 263 A               |  | 263 A           |  | 460 A   30 mA   |  | A                   |  | 263 A               |  | 263 A               |  | 263 A               |  | 263 A               |  | 263 A               |  |
| ID / IN   Cos PHI Dém. |  | 0,00   0              |  | 0,00   0            |  | 0,00   0            |  | 0,00   0        |  | 0,00   0        |  | 0,00   0            |  | 0,00   0            |  | 0,00   0            |  | 0,00   0            |  | 0,00   0            |  |                     |  |
| Sélectivité            |  | Fonct.                |  | Fonct.              |  |                     |  |                 |  | Fonct.          |  | Fonct.              |  | Fonct.              |  | Fonct.              |  | Fonct.              |  | Fonct.              |  |                     |  |
| PROT.                  |  | Type                  |  | DT40 Ph+N 2P2D      |  | DT40 Ph+N 2P2D      |  | ID 4P           |  |                 |  | DT40 Ph+N 2P2D      |  | DT40 Ph+N 2P2D      |  | DT40 Ph+N 2P2D      |  | DT40 Ph+N 2P2D      |  | DT40 Ph+N 2P2D      |  | DT40 Ph+N 2P2D      |  |
|                        |  | Calibre               |  | 16 A   ms           |  | 16 A   ms           |  | 25 A   ms       |  | 0 A   ms        |  | 16 A   ms           |  | 16 A   ms           |  | 16 A   ms           |  | 16 A   ms           |  | 16 A   ms           |  | 16 A   ms           |  |
|                        |  | ID                    |  | Tempo.Diff.         |  | ms                  |  | ms              |  | ms              |  | ms                  |  | ms                  |  | ms                  |  | ms                  |  | ms                  |  | ms                  |  |
|                        |  | IrTh/IN               |  | IrMg/IN             |  | 16 A   160 A        |  | 16 A   160 A    |  | 0 A   0 A       |  | 0 A   0 A           |  | 16 A   160 A        |  | 16 A   160 A        |  | 16 A   160 A        |  | 16 A   160 A        |  | 16 A   160 A        |  |
|                        |  | IrMg max.             |  |                     |  | 263 A               |  | 263 A           |  | 460 A           |  | 0 A                 |  | 263 A               |  | 263 A               |  | 263 A               |  | 263 A               |  | 263 A               |  |
|                        |  | Contacteur            |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
| Relais thermique       |  |                       |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
|                        |  |                       |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
|                        |  |                       |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |
|                        |  |                       |  |                     |  |                     |  |                 |  |                 |  |                     |  |                     |  |                     |  |                     |  |                     |  |                     |  |

LOGO

Entreprise

Siège NTIC-OFPPT

Unifilaire Industriel 10 circuits TP-3-O

A

Ind.

Date : 01/10/2020

MODIFICATIONS

Norme : C1510002

AFFAIRE N°

PLAN N°

Folio

8

30

Fichier : Siège NTIC-OFPPT.AFR



|                    |                   |                  |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|--------------------|-------------------|------------------|--------------|--|---------------------|-------------------|-----------|---|---------------------|--------|-----------|--------|---------------------|---------------|-----------|--|---------------------|---------|--|----------|---|--|--|------------|---|---------|--|----|---|--|--|--|---|--|--|--|--|--|
| Révision           |                   |                  |              | A  |                     | A                 |           | A |                     | A      |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| RESEAU             |                   |                  |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| Rég.de N           |                   | TT               |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| Tension            |                   | 400 V            |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| DISTRIBUTION       |                   |                  |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| Amont              |                   | C_3              |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| Repère             |                   | TP-3-O           |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    |                   |                  |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| I Totale           |                   | 14 A             |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| I installée        |                   | 18 A             |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| Ik3 max            |                   | 1251 A           |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| Ik1 max            |                   | 625 A            |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| dU max             |                   | Normal<br>2,20 % |              |  |                     | Secours<br>0,00 % |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| CIRCUIT            | Repère            |                  | C 174        |  |                     |                   | C 175     |   |                     |        | C 176     |        |                     |               | C 177     |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | Distribution Aval |                  |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | Désignation       |                  | PO16         |  |                     |                   | PO17      |   |                     |        | PO18      |        |                     |               | PO19      |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | Nb   Consommation |                  | 3   0.2KW    |  |                     |                   | 3   0.2KW |   |                     |        | 3   0.2KW |        |                     |               | 3   0.2KW |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| Alimentation       |                   | Normal           |              |  |                     | Normal            |           |   |                     | Normal |           |        |                     | Normal        |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| LIAISON            | JdB / Ip          |                  | D. Origine   |  | J_1 / 0,55 kA   0 m |                   |           |   | J_1 / 0,55 kA   0 m |        |           |        | J_1 / 0,55 kA   0 m |               |           |  | J_1 / 0,55 kA   0 m |         |  |          | / |  |  |            | / |         |  |    | / |  |  |  | / |  |  |  |  |  |
|                    | Type              |                  | U1000R2V     |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | Longueur          |                  | Ame          |  | 20 m   Cu           |                   |           |   | 20 m   Cu           |        |           |        | 20 m   Cu           |               |           |  | 20 m   Cu           |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | L.Max prot.       |                  | 50 m (CC)    |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | dU Totale         |                  | dU Dém.      |  | 2,55 %   2,55 %     |                   |           |   | 2,55 %   2,55 %     |        |           |        | 2,55 %   2,55 %     |               |           |  | 2,55 %   2,55 %     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | Nb   Câble        |                  | 0   3G2.5    |  |                     |                   | 0   3G2.5 |   |                     |        | 0   3G2.5 |        |                     |               | 0   3G2.5 |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | Neutre PE/PEN     |                  | Séparé       |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | IB                |                  | Iz           |  | 3,2 A   26,1 A      |                   |           |   | 3,2 A   26,1 A      |        |           |        | 3,2 A   26,1 A      |               |           |  | 3,2 A   26,1 A      |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | Ik3 Max           |                  | Ik2 Min      |  | 263 A               |                   |           |   | 263 A               |        |           |        | 263 A               |               |           |  | 263 A               |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | Ik1 Min           |                  | ID           |  | 263 A               |                   |           |   | 263 A               |        |           |        | 263 A               |               |           |  | 263 A               |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | ID / IN           |                  | Cos PHI Dém. |  | 0,00   0            |                   |           |   | 0,00   0            |        |           |        | 0,00   0            |               |           |  | 0,00   0            |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| Sélectivité        |                   | Fonct.           |              |  |                     | Fonct.            |           |   |                     | Fonct. |           |        |                     | Fonct.        |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| PROT.              | Type              |                  | Déclencheur  |  | DT40 Ph+N 2P2D      |                   |           |   | DT40 Ph+N 2P2D      |        |           |        | DT40 Ph+N 2P2D      |               |           |  | DT40 Ph+N 2P2D      |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | Calibre           |                  | Tempo        |  | 16 A   ms           |                   |           |   | 16 A   ms           |        |           |        | 16 A   ms           |               |           |  | 16 A   ms           |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | ID                |                  | Tempo.Diff.  |  | ms                  |                   |           |   | ms                  |        |           |        | ms                  |               |           |  | ms                  |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | IrTh/IN           |                  | IrMg/IN      |  | 16 A   160 A        |                   |           |   | 16 A   160 A        |        |           |        | 16 A   160 A        |               |           |  | 16 A   160 A        |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | IrMg max.         |                  | 263 A        |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | Contacteur        |                  |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    | Relais thermique  |                  |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    |                   |                  |              |  |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
| LOGO<br>Entreprise |                   |                  |              | Siège NTIC-OFPPT<br><br>Unifilaire Industriel 10 circuits TP-3-O |                     |                   |           |   |                     |        |           |        |                     |               |           |  |                     |         |  |          |   |  |  |            |   |         |  |    |   |  |  |  |   |  |  |  |  |  |
|                    |                   |                  |              |  |                     |                   |           |   |                     |        |           | A      |                     |               |           |  |                     |         |  |          |   |  |  | AFFAIRE N° |   | Folio   |  |    |   |  |  |  |   |  |  |  |  |  |
|                    |                   |                  |              |  |                     |                   |           |   |                     |        |           | Ind.   |                     | MODIFICATIONS |           |  |                     |         |  |          |   |  |  |            |   | PLAN N° |  | 9  |   |  |  |  |   |  |  |  |  |  |
|                    |                   |                  |              |  |                     |                   |           |   |                     |        |           | Date : |                     | 01/10/2020    |           |  |                     | Norme : |  | C1510002 |   |  |  |            |   |         |  | 30 |   |  |  |  |   |  |  |  |  |  |

| Révision           |                   |               |             | A  | A               | A        | A               | A        | A               | A        | A                   | A                 | A                   |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
|--------------------|-------------------|---------------|-------------|--|-----------------|----------|-----------------|----------|-----------------|----------|---------------------|-------------------|---------------------|----------|---------------------|------------------|---------------------|----------|---------------------|---------------------------|---------------------|--|--|------------------|--|
| RESEAU             |                   |               |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| Rég.de N           |                   | TT            |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| Tension            |                   | 400 V         |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| DISTRIBUTION       |                   |               |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| Amont              |                   | C_4           |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| Repère             |                   | TP-2-O        |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
|                    |                   |               |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| I Totale           |                   | 14 A          |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| I installée        |                   | 17 A          |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| Ik3 max            |                   | 1470 A        |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| Ik1 max            |                   | 735 A         |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| dU max             |                   | Normal 2,00 % |             | Secours 0,00 %   |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| CIRCUIT            | Repère            |               | C 4         |  | C 5             |          | J 5             |          | C 136           |          | C 139               |                   | C 140               |          | C 141               |                  | C 142               |          | C 143               |                           | C 144               |  |  |                  |  |
|                    | Distribution Aval |               | TP-2-O      |  |                 |          | C 5             |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
|                    | Désignation       |               |             |  | JDB PC 2        |          |                 |          | PO1             |          | PO2                 |                   | PO3                 |          | PO4                 |                  | PO5                 |          | PO6                 |                           | PO7                 |  |  |                  |  |
|                    | Nb                | Consommation  | 1   8KW     |  | 1   3KW         |          | 0               |          | 2   0.2KW       |          | 3   0.2KW           |                   | 2   0.2KW           |          | 2   0.2KW           |                  | 2   0.2KW           |          | 3   0.2KW           |                           | 3   0.2KW           |  |  |                  |  |
| Alimentation       |                   | Normal        |             | Normal   |                 |          |                 | Normal   |                 | Normal   |                     | Normal            |                     | Normal   |                     | Normal           |                     | Normal   |                     | Normal                    |                     |  |  |                  |  |
| LIAISON            | JdB / Ip          |               | D. Origine  |  | / 0,00 kA   0 m |          | / 2,20 kA   0 m |          | / 0,00 kA   0 m |          | J 5 / 0,60 kA   0 m |                   | J 5 / 0,60 kA   0 m |          | J 5 / 0,60 kA   0 m |                  | J 5 / 0,60 kA   0 m |          | J 5 / 0,60 kA   0 m |                           | J 5 / 0,60 kA   0 m |  |  |                  |  |
|                    | Type              |               |             |  | U1000R2V        |          | U1000R2V        |          |                 |          | U1000R2V            |                   | U1000R2V            |          | U1000R2V            |                  | U1000R2V            |          | U1000R2V            |                           | U1000R2V            |  |  |                  |  |
|                    | Longueur          |               | Ame         |  | 40 m   Cu       |          | 0 m   Cu        |          | 0 m             |          | 20 m   Cu           |                   | 20 m   Cu           |          | 20 m   Cu           |                  | 20 m   Cu           |          | 20 m   Cu           |                           | 20 m   Cu           |  |  |                  |  |
|                    | L.Max prot.       |               |             |  | 78 m (CC)       |          |                 |          |                 |          | 54 m (CC)           |                   | 54 m (CC)           |          | 54 m (CC)           |                  | 54 m (CC)           |          | 54 m (CC)           |                           | 54 m (CC)           |  |  |                  |  |
|                    | dU Totale         |               | dU Dém.     |  | 2,00 %   2 %    |          | 2,00 %   0 %    |          | 0,00 %   0 %    |          | 2,23 %   2,23 %     |                   | 2,35 %   2,35 %     |          | 2,23 %   2,23 %     |                  | 2,23 %   2,23 %     |          | 2,23 %   2,23 %     |                           | 2,35 %   2,35 %     |  |  |                  |  |
|                    | Nb Câble          |               |             |  | 0   5G6         |          | 0               |          | 0               |          | 0   3G2.5           |                   | 0   3G2.5           |          | 0   3G2.5           |                  | 0   3G2.5           |          | 0   3G2.5           |                           | 0   3G2.5           |  |  |                  |  |
|                    | Neutre PE/PEN     |               | Séparé      |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
|                    | IB                |               | Iz          |  | 14,4 A   0,0 A  |          | 5,4 A   22,9 A  |          | 0,0 A   0,0 A   |          | 2,2 A   26,1 A      |                   | 3,2 A   26,1 A      |          | 2,2 A   26,1 A      |                  | 2,2 A   26,1 A      |          | 2,2 A   26,1 A      |                           | 3,2 A   26,1 A      |  |  |                  |  |
|                    | Ik3 Max           |               | Ik2 Min     |  | 1470 A   944 A  |          | 1470 A   944 A  |          | A   A           |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
|                    | Ik1 Min           |               | ID          |  | 545 A           |          | 545 A   30 mA   |          | A               |          | 289 A               |                   | 289 A               |          | 289 A               |                  | 289 A               |          | 289 A               |                           | 289 A               |  |  |                  |  |
| ID / IN            |                   | Cos PHI Dém.  |             | 0,00   0   |                 | 0,00   0 |                 | 0,00   0 |                 | 0,00   0 |                     | 0,00   0          |                     | 0,00   0 |                     | 0,00   0         |                     | 0,00   0 |                     | 0,00   0                  |                     |  |  |                  |  |
| Sélectivité        |                   |               |             |  |                 |          |                 |          |                 | Fonct.   |                     | Fonct.            |                     | Fonct.   |                     | Fonct.           |                     | Fonct.   |                     | Fonct.                    |                     |  |  |                  |  |
| PROT.              | Type              |               | Déclencheur |  | DT40            |          | ID 4P           |          |                 |          | DT40 Ph+N 2P2D      |                   | DT40 Ph+N 2P2D      |          | DT40 Ph+N 2P2D      |                  | DT40 Ph+N 2P2D      |          | DT40 Ph+N 2P2D      |                           | DT40 Ph+N 2P2D      |  |  |                  |  |
|                    | Calibre           |               | Tempo       |  | 25 A   ms       |          | 25 A   ms       |          | 0 A   ms        |          | 16 A   ms           |                   | 16 A   ms           |          | 16 A   ms           |                  | 16 A   ms           |          | 16 A   ms           |                           | 16 A   ms           |  |  |                  |  |
|                    | ID                |               | Tempo.Diff. |  | ms              |          | ms              |          | ms              |          | ms                  |                   | ms                  |          | ms                  |                  | ms                  |          | ms                  |                           | ms                  |  |  |                  |  |
|                    | IrTh/IN           |               | IrMg/IN     |  | 25 A   250 A    |          | 0 A   0 A       |          | 0 A   0 A       |          | 16 A   160 A        |                   | 16 A   160 A        |          | 16 A   160 A        |                  | 16 A   160 A        |          | 16 A   160 A        |                           | 16 A   160 A        |  |  |                  |  |
|                    | IrMg max.         |               |             |  | 0 A             |          | 545 A           |          | 0 A             |          | 289 A               |                   | 289 A               |          | 289 A               |                  | 289 A               |          | 289 A               |                           | 289 A               |  |  |                  |  |
|                    | Contacteur        |               |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
|                    | Relais thermique  |               |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
|                    |                   |               |             |  |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
| LOGO<br>Entreprise |                   |               |             | Siège NTIC-OFPPT<br><br>Unifilaire Industriel 10 circuits TP-2-O |                 |          |                 |          |                 |          |                     |                   |                     |          |                     |                  |                     |          |                     | AFFAIRE N°<br><br>PLAN N° |                     |  |  | Folio<br>10 / 30 |  |
|                    |                   |               |             |  |                 |          |                 |          |                 |          |                     | A                 |                     |          |                     |                  |                     |          |                     |                           |                     |  |  |                  |  |
|                    |                   |               |             |  |                 |          |                 |          |                 |          |                     | Ind.              |                     |          |                     | MODIFICATIONS    |                     |          |                     |                           |                     |  |  |                  |  |
|                    |                   |               |             |  |                 |          |                 |          |                 |          |                     | Date : 01/10/2020 |                     |          |                     | Norme : C1510002 |                     |          |                     |                           |                     |  |  |                  |  |

| Révision     |                   |               |           | A                   |           | A                   |           | A               |        | A               |           | A                   |           | A                   |           | A                   |           | A                   |           |                     |           |                     |           |  |
|--------------|-------------------|---------------|-----------|---------------------|-----------|---------------------|-----------|-----------------|--------|-----------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|--|
| RESEAU       |                   |               |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
| Rég.de N     |                   | TT            |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
| Tension      |                   | 400 V         |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
| DISTRIBUTION |                   |               |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
| Amont        |                   | C_4           |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
| Repère       |                   | TP-2-O        |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
|              |                   |               |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
| I Totale     |                   | 14 A          |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
| I installée  |                   | 17 A          |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
| Ik3 max      |                   | 1470 A        |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
| Ik1 max      |                   | 735 A         |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
| dU max       |                   | Normal 2,00 % |           | Secours 0,00 %      |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
| CIRCUIT      | Repère            |               | C 145     |                     | C 146     |                     | C 147     |                 | J 1    |                 | C 148     |                     | C 149     |                     | C 150     |                     | C 151     |                     | C 152     |                     | C 153     |                     |           |  |
|              | Distribution Aval |               |           |                     |           |                     |           |                 | C 147  |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
|              | Désignation       |               | PO8       |                     | PO9       |                     | JDB PC 2  |                 |        |                 | PO10      |                     | PO11      |                     | PO12      |                     | PO13      |                     | PO14      |                     | PO15      |                     |           |  |
|              | Nb                | Consommation  | 3         | 0.2KW               | 3         | 0.2KW               | 1         | 3.5KW           | 0      |                 | 2         | 0.2KW               | 3         | 0.2KW               | 2         | 0.2KW               | 2         | 0.2KW               | 2         | 0.2KW               | 3         | 0.2KW               |           |  |
| Alimentation |                   | Normal        |           | Normal              |           | Normal              |           |                 |        | Normal          |           | Normal              |           | Normal              |           | Normal              |           | Normal              |           | Normal              |           |                     |           |  |
| LIAISON      | JdB / Ip          | D. Origine    |           | J 5 / 0,60 kA   0 m |           | J 5 / 0,60 kA   0 m |           | / 2,20 kA   0 m |        | / 0,00 kA   0 m |           | J 1 / 0,60 kA   0 m |           | J 1 / 0,60 kA   0 m |           | J 1 / 0,60 kA   0 m |           | J 1 / 0,60 kA   0 m |           | J 1 / 0,60 kA   0 m |           | J 1 / 0,60 kA   0 m |           |  |
|              | Type              |               | U1000R2V  |                     | U1000R2V  |                     | U1000R2V  |                 |        |                 | U1000R2V  |                     | U1000R2V  |                     | U1000R2V  |                     | U1000R2V  |                     | U1000R2V  |                     | U1000R2V  |                     | U1000R2V  |  |
|              | Longueur          |               | 20 m   Cu |                     | 20 m   Cu |                     | 0 m   Cu  |                 | 0 m    |                 | 20 m   Cu |                     | 20 m   Cu |                     | 20 m   Cu |                     | 20 m   Cu |                     | 20 m   Cu |                     | 20 m   Cu |                     | 20 m   Cu |  |
|              | L.Max prot.       |               | 54 m (CC) |                     | 54 m (CC) |                     | 54 m (CC) |                 |        |                 | 54 m (CC) |                     | 54 m (CC) |                     | 54 m (CC) |                     | 54 m (CC) |                     | 54 m (CC) |                     | 54 m (CC) |                     | 54 m (CC) |  |
|              | dU Totale         | dU Dém.       | 2,35 %    | 2,35 %              | 2,35 %    | 2,35 %              | 2,00 %    | 0 %             | 0,00 % | 0 %             | 2,23 %    | 2,23 %              | 2,35 %    | 2,35 %              | 2,23 %    | 2,23 %              | 2,23 %    | 2,23 %              | 2,23 %    | 2,23 %              | 2,35 %    | 2,35 %              |           |  |
|              | Nb                | Câble         | 0         | 3G2.5               | 0         | 3G2.5               | 0         |                 | 0      |                 | 0         | 3G2.5               | 0         | 3G2.5               | 0         | 3G2.5               | 0         | 3G2.5               | 0         | 3G2.5               | 0         | 3G2.5               |           |  |
|              | Neutre PE/PEN     |               | Séparé    |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
|              | IB                | Iz            | 3,2 A     | 26,1 A              | 3,2 A     | 26,1 A              | 6,3 A     | 22,9 A          | 0,0 A  | 0,0 A           | 2,2 A     | 26,1 A              | 3,2 A     | 26,1 A              | 2,2 A     | 26,1 A              | 2,2 A     | 26,1 A              | 2,2 A     | 26,1 A              | 3,2 A     | 26,1 A              |           |  |
|              | Ik3 Max           | Ik2 Min       |           |                     |           |                     | 1470 A    | 944 A           | A      | A               |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
|              | Ik1 Min           | ID            | 289 A     |                     | 289 A     |                     | 545 A     | 30 mA           | A      | A               | 289 A     |                     | 289 A     |                     | 289 A     |                     | 289 A     |                     | 289 A     |                     | 289 A     |                     |           |  |
| ID / IN      | Cos PHI Dém.      | 0,00          | 0         | 0,00                | 0         | 0,00                | 0         | 0,00            | 0      | 0,00            | 0         | 0,00                | 0         | 0,00                | 0         | 0,00                | 0         | 0,00                | 0         | 0,00                | 0         |                     |           |  |
| Sélectivité  |                   | Fonct.        |           | Fonct.              |           |                     |           |                 |        | Fonct.          |           | Fonct.              |           | Fonct.              |           | Fonct.              |           | Fonct.              |           | Fonct.              |           | Fonct.              |           |  |
| PROT.        | Type              | Déclencheur   |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           | ID 4P           |        |                 |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           |  |
|              | Calibre           | Tempo         |           | 16 A                | ms        | 16 A                | ms        | 25 A            | ms     | 0 A             | ms        | 16 A                | ms        | 16 A                | ms        | 16 A                | ms        | 16 A                | ms        | 16 A                | ms        | 16 A                | ms        |  |
|              | ID                | Tempo.Diff.   |           |                     | ms        |                     | ms        | 30 mA           | ms     |                 | ms        |                     | ms        |                     | ms        |                     | ms        |                     | ms        |                     | ms        |                     |           |  |
|              | IrTh/IN           | IrMg/IN       |           | 16 A                | 160 A     | 16 A                | 160 A     | 0 A             | 0 A    | 0 A             | 0 A       | 16 A                | 160 A     | 16 A                | 160 A     | 16 A                | 160 A     | 16 A                | 160 A     | 16 A                | 160 A     | 16 A                | 160 A     |  |
|              | IrMg max.         |               | 289 A     |                     | 289 A     |                     | 545 A     |                 | 0 A    |                 | 289 A     |                     | 289 A     |                     | 289 A     |                     | 289 A     |                     | 289 A     |                     | 289 A     |                     |           |  |
|              | Contacteur        |               |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
|              | Relais thermique  |               |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |
|              |                   |               |           |                     |           |                     |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |  |

LOGO

Entreprise

Siège NTIC-OFPPT

Unifilaire Industriel 10 circuits TP-2-O

A

Ind.

Date : 01/10/2020

Norme : C1510002

AFFAIRE N°

PLAN N°

Folio

11

30



Révision

Rég.de N

TT

Tension

400 V

DISTRIBUTION

Amont

C\_6

Repère

TP-3-N

I Totale

31 A

I installée

38 A

Ik3 max

1774 A

Ik1 max

887 A

dU max

Normal

2,49 %

Secours

0,00 %

RESEAU

C 6

C 76

J 1

C 77

C 78

C 79

C 80

C 81

C 82

C 129

TP-3-N

JDB ECL 1

C 76

E1

E2

E3

E4

E5

E9

E10

Nb

Consommation

1

17KW

1

1KW

0

4

1\*36W

4

1\*36W

5

1\*36W

5

1\*36W

5

1\*36W

2

1\*36W

2

1\*36W

Alimentation

Normal

Normal

Normal

Normal

Normal

Normal

Normal

Normal

Normal

Normal

LIAISON

JdB / Ip

D. Origine

/0,00 kA | 0 m

/ 2,66 kA | 0 m

/ 0,00 kA | 0 m

J\_1 / 0,43 kA | 0 m

J\_1 / 0,43 kA | 0 m

J\_1 / 0,43 kA | 0 m

J\_1 / 0,43 kA | 0 m

J\_1 / 0,43 kA | 0 m

J\_1 / 0,43 kA | 0 m

J\_1 / 0,43 kA | 0 m

J\_1 / 0,43 kA | 0 m

Type

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

Longueur

Ame

50 m | Cu

0 m | Cu

0 m

25 m | Cu

25 m | Cu

25 m | Cu

25 m | Cu

25 m | Cu

25 m | Cu

25 m | Cu

25 m | Cu

L.Max prot.

99 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

dU Totale

dU Dém.

2,49 % | 2,49 %

2,49 % | 0 %

0,00 % | 0 %

2,70 % | 2,75 %

2,70 % | 2,75 %

2,75 % | 2,82 %

2,75 % | 2,82 %

2,75 % | 2,82 %

2,75 % | 2,82 %

2,59 % | 2,62 %

2,59 % | 2,62 %

Nb

Câble

0

5G10

0

0

0

0

3G1.5

0

3G1.5

0

3G1.5

0

3G1.5

0

3G1.5

0

3G1.5

Neutre

PE/PEN

Séparé

IB

Iz

30,7 A

0,0 A

1,8 A

22,9 A

0,0 A

0,0 A

0,8 A

19,0 A

0,8 A

19,0 A

1,1 A

19,0 A

1,1 A

19,0 A

1,1 A

19,0 A

0,4 A

19,0 A

0,4 A

19,0 A

Ik3 Max

Ik2 Min

1774 A

1154 A

1774 A

1154 A

A

A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

Ik1 Min

ID

666 A

300 mA

A

A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

ID / IN

Cos PHI

Dém.

0,00

0

0,00

0

1,00

0,92

1,00

0,92

1,00

0,92

1,00

0,92

1,00

0,92

1,00

0,92

1,00

0,92

Sélectivité

Fonct.

Fonct.

Fonct.

Fonct.

Fonct.

Fonct.

Fonct.

Fonct.

Fonct.

Fonct.

PROT.

Type

Déclencheur

DT40

ID

4P

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

Calibre

Tempo

32 A

ms

25 A

ms

0 A

ms

10 A

ms

10 A

ms

10 A

ms

10 A

ms

10 A

ms

10 A

ms

10 A

ms

ID

Tempo.Diff.

ms

ms

300 mA

ms

ms

ms

ms

ms

ms

ms

ms

ms

ms

ms

ms

ms

ms

ms

IrTh/IN

IrMg/IN

32 A

320 A

0 A

0 A

0 A

0 A

10 A

100 A

10 A

100 A

10 A

100 A

10 A

100 A

10 A

100 A

10 A

100 A

10 A

100 A

IrMg max.

0 A

666 A

0 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

204 A

Contacteur

Relais thermique

LOGO

Entreprise

Siège NTIC-OFPPT

Unifilaire Industriel 10 circuits TP-3-N

A

Ind.

Date : 01/10/2020

MODIFICATIONS

Norme : C1510002

AFFAIRE N°

PLAN N°

Folio

13

30

Fichier : Siège NTIC-OFPPT.AFR

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|                    |                   |               |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
|--------------------|-------------------|---------------|--|----------------|---------------------|--------|---------------------|--------|------------------|--------|-----------------|--------|---------------------|--------|---------------------------|--------|---------------------|--------|---------------------|--------|---------------------|--------|
| Révision           |                   | A             | A  | A              | A                   | A      | A                   | A      | A                | A      |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| RESEAU             |                   |               |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| Rég.de N           |                   | TT            |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| Tension            |                   | 400 V         |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| DISTRIBUTION       |                   |               |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| Amont              |                   | C_6           |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| Repère             |                   | TP-3-N        |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| I Totale           |                   | 31 A          |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| I installée        |                   | 38 A          |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| Ik3 max            |                   | 1774 A        |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| Ik1 max            |                   | 887 A         |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| dU max             |                   | Normal 2,49 % |  | Secours 0,00 % |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| CIRCUIT            | Repère            |               | C 84   |                | C 86                |        | C 87                |        | C 85             |        | J 2             |        | C 88                |        | C 89                      |        | C 90                |        | C 91                |        | C 92                |        |
|                    | Distribution Aval |               |  |                |                     |        |                     |        |                  |        | C_85            |        |                     |        |                           |        |                     |        |                     |        |                     |        |
|                    | Désignation       |               | E13  |                | E14                 |        | E15                 |        | JDB ECL 2        |        |                 |        | E16                 |        | E17                       |        | E18                 |        | E19                 |        | E20                 |        |
|                    | Nb                | Consommation  | 5  | 1*36W          | 5                   | 1*36W  | 5                   | 1*36W  | 1                | 1KW    | 0               |        | 2                   | 1*36W  | 2                         | 1*36W  | 2                   | 1*36W  | 4                   | 1*36W  | 4                   | 1*36W  |
| Alimentation       |                   | Normal        |  | Normal         |                     | Normal |                     | Normal |                  |        |                 | Normal |                     | Normal |                           | Normal |                     | Normal |                     | Normal |                     |        |
| LIAISON            | JdB / Ip          | D. Origine    | J 1 / 0,43 kA   0 m  |                | J 1 / 0,43 kA   0 m |        | J 1 / 0,43 kA   0 m |        | / 2,66 kA   0 m  |        | / 0,00 kA   0 m |        | J 2 / 0,43 kA   0 m |        | J 2 / 0,43 kA   0 m       |        | J 2 / 0,43 kA   0 m |        | J 2 / 0,43 kA   0 m |        | J 2 / 0,43 kA   0 m |        |
|                    | Type              |               | U1000R2V   |                | U1000R2V            |        | U1000R2V            |        | U1000R2V         |        |                 |        | U1000R2V            |        | U1000R2V                  |        | U1000R2V            |        | U1000R2V            |        | U1000R2V            |        |
|                    | Longueur          |               | 25 m   Cu  |                | 25 m   Cu           |        | 25 m   Cu           |        | 0 m   Cu         |        | 0 m             |        | 25 m   Cu           |        | 25 m   Cu                 |        | 25 m   Cu           |        | 25 m   Cu           |        | 25 m   Cu           |        |
|                    | L.Max prot.       |               | 62 m (CC)  |                | 62 m (CC)           |        | 62 m (CC)           |        | 62 m (CC)        |        |                 |        | 62 m (CC)           |        | 62 m (CC)                 |        | 62 m (CC)           |        | 62 m (CC)           |        | 62 m (CC)           |        |
|                    | dU Totale         | dU Dém.       | 2,75 %   | 2,82 %         | 2,75 %              | 2,82 % | 2,75 %              | 2,82 % | 2,49 %           | 0 %    | 0,00 %          | 0 %    | 2,59 %              | 2,62 % | 2,59 %                    | 2,62 % | 2,59 %              | 2,62 % | 2,70 %              | 2,75 % | 2,70 %              | 2,75 % |
|                    | Nb                | Câble         | 0  | 3G1.5          | 0                   | 3G1.5  | 0                   | 3G1.5  | 0                |        | 0               |        | 0                   | 3G1.5  | 0                         | 3G1.5  | 0                   | 3G1.5  | 0                   | 3G1.5  | 0                   | 3G1.5  |
|                    | Neutre PE/PEN     |               | Séparé   |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
|                    | IB                | Iz            | 1,1 A  | 19,0 A         | 1,1 A               | 19,0 A | 1,1 A               | 19,0 A | 1,8 A            | 22,9 A | 0,0 A           | 0,0 A  | 0,4 A               | 19,0 A | 0,4 A                     | 19,0 A | 0,4 A               | 19,0 A | 0,8 A               | 19,0 A | 0,8 A               | 19,0 A |
|                    | Ik3 Max           | Ik2 Min       |  |                |                     |        |                     |        | 1774 A           | 1154 A | A               | A      |                     |        |                           |        |                     |        |                     |        |                     |        |
|                    | Ik1 Min           | ID            | 204 A  |                | 204 A               |        | 204 A               |        | 666 A            | 300 mA | A               | A      | 204 A               |        | 204 A                     |        | 204 A               |        | 204 A               |        | 204 A               |        |
|                    | ID / IN           | Cos PHI Dém.  | 1,00   | 0,92           | 1,00                | 0,92   | 1,00                | 0,92   | 0,00             | 0      | 0,00            | 0      | 1,00                | 0,92   | 1,00                      | 0,92   | 1,00                | 0,92   | 1,00                | 0,92   | 1,00                | 0,92   |
|                    | Sélectivité       |               | Fonct.   |                | Fonct.              |        | Fonct.              |        |                  |        |                 |        | Fonct.              |        | Fonct.                    |        | Fonct.              |        | Fonct.              |        | Fonct.              |        |
| PROT.              | Type              | Déclencheur   | DT40 Ph+N 2P2D   |                | DT40 Ph+N 2P2D      |        | DT40 Ph+N 2P2D      |        | ID 4P            |        |                 |        | DT40 Ph+N 2P2D      |        | DT40 Ph+N 2P2D            |        | DT40 Ph+N 2P2D      |        | DT40 Ph+N 2P2D      |        | DT40 Ph+N 2P2D      |        |
|                    | Calibre           | Tempo         | 10 A   | ms             | 10 A                | ms     | 10 A                | ms     | 25 A             | ms     | 0 A             | ms     | 10 A                | ms     | 10 A                      | ms     | 10 A                | ms     | 10 A                | ms     | 10 A                | ms     |
|                    | ID                | Tempo.Diff.   |  | ms             |                     | ms     |                     | ms     | 300 mA           | ms     |                 | ms     |                     | ms     |                           | ms     |                     | ms     |                     | ms     |                     | ms     |
|                    | IrTh/IN           | IrMg/IN       | 10 A   | 100 A          | 10 A                | 100 A  | 10 A                | 100 A  | 0 A              | 0 A    | 0 A             | 0 A    | 10 A                | 100 A  | 10 A                      | 100 A  | 10 A                | 100 A  | 10 A                | 100 A  | 10 A                | 100 A  |
|                    | IrMg max.         |               | 204 A  |                | 204 A               |        | 204 A               |        | 666 A            |        | 0 A             |        | 204 A               |        | 204 A                     |        | 204 A               |        | 204 A               |        | 204 A               |        |
|                    | Contacteur        |               |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
|                    | Relais thermique  |               |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
|                    |                   |               |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
| LOGO<br>Entreprise |                   |               | Siège NTIC-OFPPT<br><br>Unifilaire Industriel 10 circuits TP-3-N |                |                     |        |                     |        |                  |        |                 |        |                     |        | AFFAIRE N°<br><br>PLAN N° |        |                     |        |                     |        | Folio<br>14 / 30    |        |
|                    |                   |               |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
|                    |                   |               |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
|                    |                   |               |  |                |                     |        |                     |        |                  |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |
|                    |                   |               | Date : 01/10/2020  |                |                     |        |                     |        | Norme : C1510002 |        |                 |        |                     |        |                           |        |                     |        |                     |        |                     |        |

Rég.de N

TT

Tension

400 V

DISTRIBUTION

Amont

C\_6

Repère

TP-3-N

I Totale

31 A

I installée

38 A

Ik3 max

1774 A

Ik1 max

887 A

dU max

Normal

2,49 %

Secours

0,00 %

CIRCUIT

Repère

Distribution Aval

Désignation

Nb

Consommation

Alimentation

C 93

C 95

C 96

C 97

C 98

C 94

J 3  
C 94

C 99

C 100

C 101

E21

E22

E23

E24

E25

JDB ECL 3

E26

E27

E28

5

1\*36W

5

1\*36W

5

1\*36W

5

1\*36W

2

1\*36W

1

1KW

0

2

1\*36W

2

1\*36W

2

1\*36W

Normal

Normal

Normal

Normal

Normal

Normal

Normal

Normal

Normal

LIAISON

JdB / Ip

D. Origine

Type

Longueur

Ame

L.Max prot.

dU Totale

dU Dém.

Nb

Câble

Neutre  
PE/PEN

Séparé

IB

Iz

Ik3 Max

Ik2 Min

Ik1 Min

ID

ID / IN

Cos PHI

Dém.

Sélectivité

J 2 / 0,43 kA

0 m

J 2 / 0,43 kA

0 m

J 2 / 0,43 kA

0 m

J 2 / 0,43 kA

0 m

J 2 / 0,43 kA

0 m

/2,66 kA

0 m

/0,00 kA

0 m

J 3 / 0,43 kA

0 m

J 3 / 0,43 kA

0 m

J 3 / 0,43 kA

0 m

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

U1000R2V

25 m

Cu

25 m

Cu

25 m

Cu

25 m

Cu

0 m

Cu

0 m

25 m

Cu

25 m

Cu

25 m

Cu

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

62 m (CC)

2,75 %

2,82 %

2,75 %

2,82 %

2,75 %

2,82 %

2,75 %

2,82 %

2,59 %

2,62 %

2,49 %

0 %

0,00 %

0 %

2,59 %

2,62 %

2,59 %

2,62 %

2,59 %

2,62 %

0

3G1.5

0

3G1.5

0

3G1.5

0

3G1.5

0

3G1.5

0

0

0

3G1.5

0

3G1.5

0

3G1.5

1,1 A

19,0 A

1,1 A

19,0 A

1,1 A

19,0 A

1,1 A

19,0 A

0,4 A

19,0 A

1,8 A

22,9 A

0,0 A

0,0 A

0,4 A

19,0 A

0,4 A

19,0 A

0,4 A

19,0 A

1774 A

1154 A

A

A

204 A

204 A

204 A

204 A

204 A

666 A

300 mA

A

204 A

204 A

204 A

1,00

0,92

1,00

0,92

1,00

0,92

1,00

0,92

1,00

0,92

0,00

0

0,00

0

1,00

0,92

1,00

0,92

1,00

0,92

Fonct.

Fonct.

Fonct.

Fonct.

Fonct.

Fonct.

Fonct.

Fonct.

PROT.

Type

Déclencheur

Calibre

Tempo

ID

Tempo.Diff.

IrTh/IN

IrMg/IN

IrMg max.

Contacteur

Relais thermique

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

ID

4P

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

10 A

ms

10 A

ms

10 A

ms

10 A

ms

10 A

ms

25 A

ms

0 A

ms

10 A

ms

10 A

ms

10 A

ms

10 A

ms

300 mA

ms

ms

ms

ms

ms

10 A

100 A

10 A

100 A

10 A

100 A

10 A

100 A

10 A

100 A

0 A

0 A

0 A

0 A

10 A

100 A

10 A

100 A

10 A

100 A

204 A

204 A

204 A

204 A

204 A

666 A

0 A

204 A

204 A

204 A

LOGO

Entreprise

Siège NTIC-OFPPT

Unifilaire Industriel 10 circuits TP-3-N

A

Ind.

Date :

01/10/2020

MODIFICATIONS

Norme :

C1510002

AFFAIRE N°

PLAN N°

Folio

15

30

Fichier : Siège NTIC-OFPPT.AFR

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Rég.de N

TT

Tension

400 V

DISTRIBUTION

Amont

C\_6

Repère

TP-3-N

I Totale

31 A

I installée

38 A

Ik3 max

1774 A

Ik1 max

887 A

dU max

Normal2,49 %

Secours0,00 %

CIRCUIT

Repère

Distribution Aval

Désignation

Nb

Consommation

Alimentation

JdB / Ip

D. Origine

Type

Longueur

Ame

L.Max prot.

dU Totale

dU Dém.

Nb Câble

Neutre PE/PEN

Séparé

IB

Iz

Ik3 Max

Ik2 Min

Ik1 Min

ID

ID / IN

Cos PHI Dém.

Sélectivité

Type

Déclencheur

Calibre

Tempo

ID

Tempo.Diff.

IrTh/IN

IrMg/IN

IrMg max.

Contacteur

Relais thermique

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

DT40 Ph+N

2P2D

ID

4P

DT40 Ph+N

2P2D

LOGO

Entreprise

Siège NTIC-OFPPT

Unifilaire Industriel 10 circuits TP-3-N

A

Ind.

Date : 01/10/2020

MODIFICATIONS

Norme : C1510002

AFFAIRE N°

PLAN N°

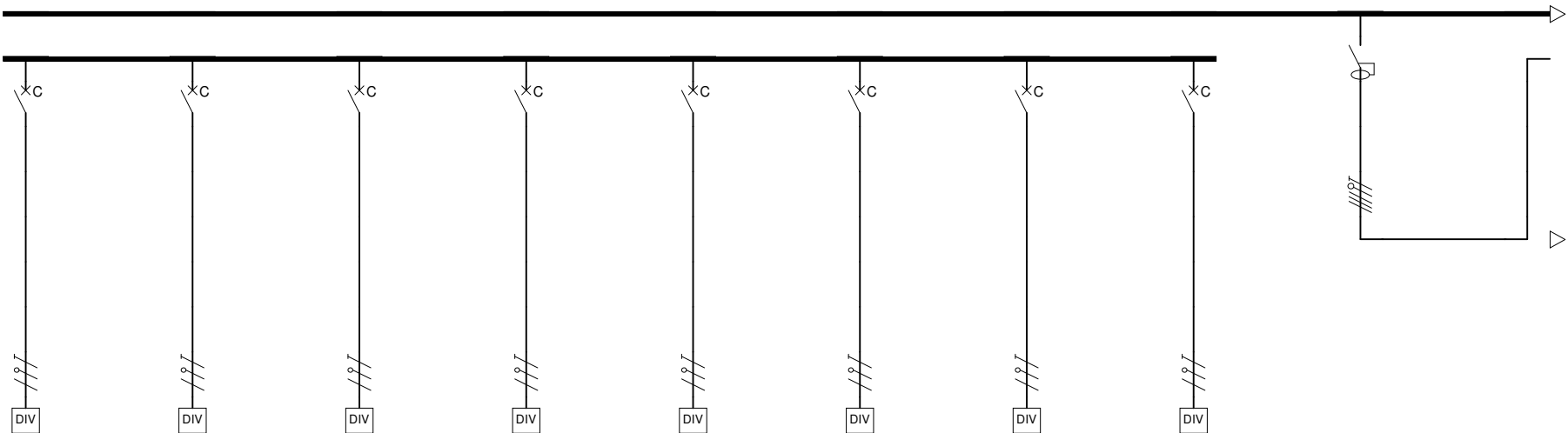
Folio

18 / 30

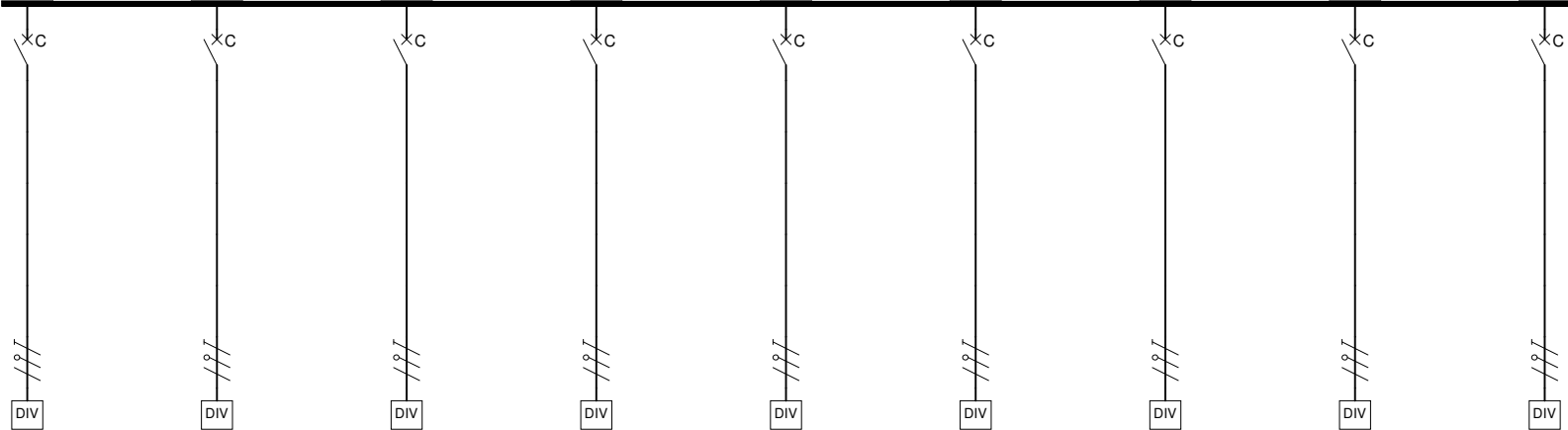
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|                    |                   |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
|--------------------|-------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------|--------------|--------------|-----------|---------|---------|---------|-------|
| Révision           |                   | A  | A                   | A                   | A                   | A                   | A                   | A                   | A                   | A                   | A               |              |              |           |         |         |         |       |
| RESEAU             |                   |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| Rég.de N           | TT                |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| Tension            | 400 V             |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| DISTRIBUTION       |                   |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| Amont              | C_6               |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| Repère             | TP-3-N            |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
|                    |                   |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| I Totale           | 31 A              |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| I installée        | 38 A              |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| Ik3 max            | 1774 A            |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| Ik1 max            | 887 A             |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| dU max             | Normal<br>2,49 %  | Secours<br>0,00 %                        |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| CIRCUIT            | Repère            | C 123                                    | C 124               | C 125               | C 126               | C 127               | C 128               | C 107               | C 216               | C 197               | J 7             |              |              |           |         |         |         |       |
|                    | Distribution Aval |  |                     |                     |                     |                     |                     |                     |                     |                     | C_197           |              |              |           |         |         |         |       |
|                    | Désignation       | PC13                                     | PC14                | PC15                | PC16                | PC17                | PC18                | PC19                | Caisson d'air Neuf  | JDB ATT 1           |                 |              |              |           |         |         |         |       |
|                    | Nb                | Consommation                             | 4                   | 0.2KW               | 4                   | 0.2KW               | 4                   | 0.2KW               | 4                   | 0.2KW               | 4               | 0.2KW        | 1            | 0.8KW     | 1       | 0.8KW   | 0       |       |
| LIAISON            | Alimentation      | Normal                                   | Normal              | Normal              | Normal              | Normal              | Normal              | Normal              | Normal              | Normal              | Normal          |              |              |           |         |         |         |       |
|                    | JdB / Ip          | D. Origine                               | J 6 / 0,66 kA   0 m | J 6 / 0,66 kA   0 m | J 6 / 0,66 kA   0 m | J 6 / 0,66 kA   0 m | J 6 / 0,66 kA   0 m | J 6 / 0,66 kA   0 m | J 6 / 0,66 kA   0 m | J 6 / 0,76 kA   0 m | / 2,66 kA   0 m |              |              |           |         |         |         |       |
|                    | Type              |  | U1000R2V            | U1000R2V            | U1000R2V            | U1000R2V            | U1000R2V            | U1000R2V            | U1000R2V            | U1000R2V            | U1000R2V        | U1000R2V     |              |           |         |         |         |       |
|                    | Longueur          | Ame                                      | 20 m   Cu           | 20 m   Cu           | 20 m   Cu           | 20 m   Cu           | 20 m   Cu           | 20 m   Cu           | 20 m   Cu           | 20 m   Cu           | 15 m   Cu       | 0 m   Cu     | 0 m          |           |         |         |         |       |
|                    | L.Max prot.       |  | 58 m (CC)           | 58 m (CC)           | 58 m (CC)           | 58 m (CC)           | 58 m (CC)           | 58 m (CC)           | 58 m (CC)           | 58 m (CC)           | 58 m (CC)       |              |              |           |         |         |         |       |
|                    | dU Totale         | dU Dém.                                  | 2,96 %   2,96 %     | 2,96 %   2,96 %     | 2,96 %   2,96 %     | 2,96 %   2,96 %     | 2,96 %   2,96 %     | 2,96 %   2,96 %     | 2,96 %   2,96 %     | 2,96 %   2,96 %     | 2,92 %   2,92 % | 2,49 %   0 % | 0,00 %   0 % |           |         |         |         |       |
|                    | Nb                | Câble                                    | 0                   | 3G2.5               | 0                   | 3G2.5               | 0                   | 3G2.5               | 0                   | 3G2.5               | 0               | 3G2.5        | 0            |           | 0       |         | 0       |       |
|                    | Neutre            | Séparé                                   |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
|                    | PE/PEN            |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
|                    | IB                | Iz                                       | 4,3 A               | 26,1 A              | 4,3 A               | 26,1 A              | 4,3 A               | 26,1 A              | 4,3 A               | 26,1 A              | 4,3 A           | 26,1 A       | 4,3 A        | 26,1 A    | 1,4 A   | 22,9 A  | 0,0 A   | 0,0 A |
| Ik3 Max            | Ik2 Min           |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              | 1774 A    | 1154 A  | A       | A       |       |
| Ik1 Min            | ID                | 320 A                                    |                     | 320 A               |                     | 320 A               |                     | 320 A               |                     | 320 A               |                 | 320 A        |              | 368 A     |         | 666 A   | 300 mA  |       |
| ID / IN            | Cos PHI Dém.      | 0,00                                     | 0                   | 0,00                | 0                   | 0,00                | 0                   | 0,00                | 0                   | 0,00                | 0               | 1,00         | 0,3          | 0,00      | 0       | 0,00    | 0       |       |
| Sélectivité        |                   | Fonct.                                   | Fonct.              | Fonct.              | Fonct.              | Fonct.              | Fonct.              | Fonct.              | Fonct.              | Fonct.              | I<0,24kA        |              |              |           |         |         |         |       |
| PROT.              | Type              | Déclencheur                              | DT40 Ph+N 2P2D      | DT40 Ph+N 2P2D      | DT40 Ph+N 2P2D      | DT40 Ph+N 2P2D      | DT40 Ph+N 2P2D      | DT40 Ph+N 2P2D      | DT40 Ph+N 2P2D      | DT40 Ph+N 2P2D      | DT40 Ph+N 2P2D  | ID           | 4P           |           |         |         |         |       |
|                    | Calibre           | Tempo                                    | 16 A ms             | 16 A ms             | 16 A ms             | 16 A ms             | 16 A ms             | 16 A ms             | 16 A ms             | 16 A ms             | 16 A ms         | 16 A ms      | ms           | 25 A ms   | ms      | 0 A ms  | ms      |       |
|                    | ID                | Tempo.Diff.                              |                     |                     |                     |                     |                     |                     |                     |                     |                 |              | ms           | 300 mA ms | ms      |         | ms      |       |
|                    | IrTh/IN           | IrMg/IN                                  | 16 A 160 A          | 16 A 160 A          | 16 A 160 A          | 16 A 160 A          | 16 A 160 A          | 16 A 160 A          | 16 A 160 A          | 16 A 160 A          | 16 A 160 A      | 16 A 160 A   | 0 A 0 A      | 0 A 0 A   | 0 A 0 A | 0 A 0 A | 0 A 0 A |       |
|                    | IrMg max.         |  | 320 A               | 320 A               | 320 A               | 320 A               | 320 A               | 320 A               | 320 A               | 320 A               | 320 A           | 368 A        |              | 666 A     |         | 0 A     |         |       |
|                    | Contacteur        |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| Relais thermique   |                   |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
|                    |                   |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              |           |         |         |         |       |
| LOGO<br>Entreprise |                   | Siège NTIC-OFPP                          |                     |                     |                     | A                   |                     |                     |                     | AFFAIRE N°          |                 |              |              | Folio     |         |         |         |       |
|                    |                   | Unifilaire Industriel 10 circuits TP-3-N |                     |                     |                     | Ind.                |                     |                     |                     | MODIFICATIONS       |                 |              |              | 19        |         |         |         |       |
|                    |                   |  |                     |                     |                     | Date : 01/10/2020   |                     |                     |                     | Norme : C1510002    |                 |              |              | PLAN N°   |         |         |         |       |
|                    |                   |  |                     |                     |                     |                     |                     |                     |                     |                     |                 |              |              | 30        |         |         |         |       |

|                        |                   |               |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
|------------------------|-------------------|---------------|------------|--|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|-----------|-----------------|----------|-----------------|--|-------|--|
| Révision               |                   |               |            | A  | A          | A                   | A          | A                   | A          | A                   | A          | A                   |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| RESEAU                 |                   |               |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| Rég.de N               |                   | TT            |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| Tension                |                   | 400 V         |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| DISTRIBUTION           |                   |               |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| Amont                  |                   | C_6           |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| Repère                 |                   | TP-3-N        |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
|                        |                   |               |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| I Totale               |                   | 31 A          |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| I installée            |                   | 38 A          |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| Ik3 max                |                   | 1774 A        |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| Ik1 max                |                   | 887 A         |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| dU max                 |                   | Normal 2,49 % |            | Secours 0,00 %                           |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| CIRCUIT                | Repère            |               | C 198      |  | C 199      |                     | C 200      |                     | C 201      |                     | C 202      |                     | C 203      |                     | C 204      |                     | C 205      |                     | C 206     |                 | J 8      |                 |  |       |  |
|                        | Distribution Aval |               |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 | C_206    |                 |  |       |  |
|                        | Désignation       |               | CLIM 1     |  | CLIM 2     |                     | CLIM 3     |                     | CLIM 4     |                     | CLIM 5     |                     | CLIM 6     |                     | CLIM 7     |                     | CLIM 8     |                     | JDB ATT 2 |                 |          |                 |  |       |  |
|                        | Nb                | Consommation  | 1          | 0.1KW                                    | 1          | 0.1KW               | 1          | 0.1KW               | 1          | 0.1KW               | 1          | 0.1KW               | 1          | 0.1KW               | 1          | 0.1KW               | 1          | 0.1KW               | 1         | 0.8KW           | 0        |                 |  |       |  |
| Alimentation           |                   |               | Normal     |  | Normal     |                     | Normal     |                     | Normal     |                     | Normal     |                     | Normal     |                     | Normal     |                     | Normal     |                     | Normal    |                 |          |                 |  |       |  |
| LIAISON                | JdB / Ip          | D. Origine    |            | J_7 / 0,76 kA   0 m                      |            | J_7 / 0,76 kA   0 m |            | J_7 / 0,76 kA   0 m |            | J_7 / 0,76 kA   0 m |            | J_7 / 0,76 kA   0 m |            | J_7 / 0,76 kA   0 m |            | J_7 / 0,76 kA   0 m |            | J_7 / 0,76 kA   0 m |           | / 2,66 kA   0 m |          | / 0,00 kA   0 m |  |       |  |
|                        | Type              |               |            | U1000R2V                                 |            | U1000R2V            |            | U1000R2V            |            | U1000R2V            |            | U1000R2V            |            | U1000R2V            |            | U1000R2V            |            | U1000R2V            |           | U1000R2V        |          |                 |  |       |  |
|                        | Longueur          | Ame           |            | 15 m   Cu                                |            | 15 m   Cu           |            | 15 m   Cu           |            | 15 m   Cu           |            | 15 m   Cu           |            | 15 m   Cu           |            | 15 m   Cu           |            | 15 m   Cu           |           | 0 m   Cu        |          | 0 m             |  |       |  |
|                        | L.Max prot.       |               |            | 58 m (CC)                                |            | 58 m (CC)           |            | 58 m (CC)           |            | 58 m (CC)           |            | 58 m (CC)           |            | 58 m (CC)           |            | 58 m (CC)           |            | 58 m (CC)           |           |                 |          |                 |  |       |  |
|                        | dU Totale         | dU Dém.       |            | 2,54 %   2,54 %                          |            | 2,54 %   2,54 %     |            | 2,54 %   2,54 %     |            | 2,54 %   2,54 %     |            | 2,54 %   2,54 %     |            | 2,54 %   2,54 %     |            | 2,54 %   2,54 %     |            | 2,54 %   2,54 %     |           | 2,49 %   0 %    |          | 0,00 %   0 %    |  |       |  |
|                        | Nb   Câble        |               |            | 0   3G2.5                                |            | 0   3G2.5           |            | 0   3G2.5           |            | 0   3G2.5           |            | 0   3G2.5           |            | 0   3G2.5           |            | 0   3G2.5           |            | 0   3G2.5           |           | 0               |          | 0               |  |       |  |
|                        | Neutre PE/PEN     |               | Séparé     |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
|                        | IB                | Iz            |            | 0,5 A   26,1 A                           |            | 0,5 A   26,1 A      |            | 0,5 A   26,1 A      |            | 0,5 A   26,1 A      |            | 0,5 A   26,1 A      |            | 0,5 A   26,1 A      |            | 0,5 A   26,1 A      |            | 0,5 A   26,1 A      |           | 1,4 A   22,9 A  |          | 0,0 A   0,0 A   |  |       |  |
|                        | Ik3 Max           |               |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           | 1774 A   1154 A |          | A   A           |  |       |  |
|                        | Ik1 Min           |               |            | ID                                       |            | 368 A               |            | 368 A               |            | 368 A               |            | 368 A               |            | 368 A               |            | 368 A               |            | 368 A               |           | 666 A   300 mA  |          | A   A           |  |       |  |
| ID / IN   Cos PHI Dém. |                   |               | 1,00   0,3 |  | 1,00   0,3 |                     | 1,00   0,3 |                     | 1,00   0,3 |                     | 1,00   0,3 |                     | 1,00   0,3 |                     | 1,00   0,3 |                     | 1,00   0,3 |                     | 0,00   0  |                 | 0,00   0 |                 |  |       |  |
| Sélectivité            |                   |               | I<0,24kA   |  | I<0,24kA   |                     | I<0,24kA   |                     | I<0,24kA   |                     | I<0,24kA   |                     | I<0,24kA   |                     | I<0,24kA   |                     | I<0,24kA   |                     |           |                 |          |                 |  |       |  |
| PROT.                  | Type              | Déclencheur   |            | DT40 Ph+N 2P2D                           |            | DT40 Ph+N 2P2D      |            | DT40 Ph+N 2P2D      |            | DT40 Ph+N 2P2D      |            | DT40 Ph+N 2P2D      |            | DT40 Ph+N 2P2D      |            | DT40 Ph+N 2P2D      |            | DT40 Ph+N 2P2D      |           | ID 4P           |          |                 |  |       |  |
|                        | Calibre           | Tempo         |            | 16 A   ms                                |            | 16 A   ms           |            | 16 A   ms           |            | 16 A   ms           |            | 16 A   ms           |            | 16 A   ms           |            | 16 A   ms           |            | 16 A   ms           |           | 25 A   ms       |          | 0 A   ms        |  |       |  |
|                        | ID                | Tempo.Diff.   |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           | 300 mA   ms     |          | ms              |  |       |  |
|                        | IrTh/IN           | IrMg/IN       |            | 16 A   160 A                             |            | 16 A   160 A        |            | 16 A   160 A        |            | 16 A   160 A        |            | 16 A   160 A        |            | 16 A   160 A        |            | 16 A   160 A        |            | 16 A   160 A        |           | 0 A   0 A       |          | 0 A   0 A       |  |       |  |
|                        | IrMg max.         |               |            | 368 A                                    |            | 368 A               |            | 368 A               |            | 368 A               |            | 368 A               |            | 368 A               |            | 368 A               |            | 368 A               |           | 666 A           |          | 0 A             |  |       |  |
|                        | Contacteur        |               |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| Relais thermique       |                   |               |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
|                        |                   |               |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  |       |  |
| LOGO<br>Entreprise     |                   |               |            | Siège NTIC-OFPP                          |            |                     |            | A                   |            |                     |            | Ind.                |            |                     |            | MODIFICATIONS       |            |                     |           | AFFAIRE N°      |          |                 |  | Folio |  |
|                        |                   |               |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  | 20    |  |
|                        |                   |               |            |  |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |            |                     |           |                 |          |                 |  | 30    |  |
|                        |                   |               |            | Unifilaire Industriel 10 circuits TP-3-N |            |                     |            | Date : 01/10/2020   |            |                     |            | Norme : C1510002    |            |                     |            | PLAN N°             |            |                     |           |                 |          |                 |  |       |  |

[illegible]

| Révision               |                   |                     | A  | A                   | A         | A                   | A         | A                   | A                 | A                   |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
|------------------------|-------------------|---------------------|--|---------------------|-----------|---------------------|-----------|---------------------|-------------------|---------------------|-----------|---------------------|-----------|---------------------|---------------|---------------------|-----------|---------------------|-----------|---|-------|--|
| RESEAU                 |                   |                     |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| Rég.de N               |                   | TT                  |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| Tension                |                   | 400 V               |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| DISTRIBUTION           |                   |                     |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| Amont                  |                   | C_6                 |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| Repère                 |                   | TP-3-N              |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
|                        |                   |                     |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| I Totale               |                   | 31 A                |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| I installée            |                   | 38 A                |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| Ik3 max                |                   | 1774 A              |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| Ik1 max                |                   | 887 A               |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| dU max                 |                   | Normal<br>2,49 %    |  | Secours<br>0,00 %   |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| CIRCUIT                | Repère            |                     | C 207                                    |                     | C 208     |                     | C 209     |                     | C 210             |                     | C 211     |                     | C 212     |                     | C 213         |                     | C 214     |                     | C 215     |   |       |  |
|                        | Distribution Aval |                     |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
|                        | Désignation       |                     | CLIM 9                                   |                     | CLIM 10   |                     | CLIM 11   |                     | CLIM 12           |                     | CLIM 13   |                     | CLIM 14   |                     | CLIM 15       |                     | CLIM 16   |                     | CLIM 17   |   |       |  |
|                        | Nb   Consommation |                     | 1   0.1KW                                |                     | 1   0.1KW |                     | 1   0.1KW |                     | 1   0.1KW         |                     | 1   0.1KW |                     | 1   0.1KW |                     | 1   0.1KW     |                     | 1   0.1KW |                     | 1   0.1KW |   |       |  |
| Alimentation           |                   | Normal              |  | Normal              |           | Normal              |           | Normal              |                   | Normal              |           | Normal              |           | Normal              |               | Normal              |           | Normal              |           |   |       |  |
| JdB / Ip   D. Origine  |                   | J 8 / 0,76 kA   0 m |  | J 8 / 0,76 kA   0 m |           | J 8 / 0,76 kA   0 m |           | J 8 / 0,76 kA   0 m |                   | J 8 / 0,76 kA   0 m |           | J 8 / 0,76 kA   0 m |           | J 8 / 0,76 kA   0 m |               | J 8 / 0,76 kA   0 m |           | J 8 / 0,76 kA   0 m |           | / |       |  |
| Type                   |                   | U1000R2V            |  | U1000R2V            |           | U1000R2V            |           | U1000R2V            |                   | U1000R2V            |           | U1000R2V            |           | U1000R2V            |               | U1000R2V            |           | U1000R2V            |           |   |       |  |
| Longueur   Ame         |                   | 15 m   Cu           |  | 15 m   Cu           |           | 15 m   Cu           |           | 15 m   Cu           |                   | 15 m   Cu           |           | 15 m   Cu           |           | 15 m   Cu           |               | 15 m   Cu           |           | 15 m   Cu           |           |   |       |  |
| L.Max prot.            |                   | 58 m (CC)           |  | 58 m (CC)           |           | 58 m (CC)           |           | 58 m (CC)           |                   | 58 m (CC)           |           | 58 m (CC)           |           | 58 m (CC)           |               | 58 m (CC)           |           | 58 m (CC)           |           |   |       |  |
| dU Totale   dU Dém.    |                   | 2,54 %   2,54 %     |  | 2,54 %   2,54 %     |           | 2,54 %   2,54 %     |           | 2,54 %   2,54 %     |                   | 2,54 %   2,54 %     |           | 2,54 %   2,54 %     |           | 2,54 %   2,54 %     |               | 2,54 %   2,54 %     |           | 2,54 %   2,54 %     |           |   |       |  |
| Nb   Câble             |                   | 0   3G2.5           |  | 0   3G2.5           |           | 0   3G2.5           |           | 0   3G2.5           |                   | 0   3G2.5           |           | 0   3G2.5           |           | 0   3G2.5           |               | 0   3G2.5           |           | 0   3G2.5           |           |   |       |  |
| Neutre PE/PEN          |                   | Séparé              |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| IB                     |                   | Iz                  |  | 0,5 A   26,1 A      |           | 0,5 A   26,1 A      |           | 0,5 A   26,1 A      |                   | 0,5 A   26,1 A      |           | 0,5 A   26,1 A      |           | 0,5 A   26,1 A      |               | 0,5 A   26,1 A      |           | 0,5 A   26,1 A      |           |   |       |  |
| Ik3 Max                |                   | Ik2 Min             |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| Ik1 Min                |                   | ID                  |  | 368 A               |           | 368 A               |           | 368 A               |                   | 368 A               |           | 368 A               |           | 368 A               |               | 368 A               |           | 368 A               |           |   |       |  |
| ID / IN   Cos PHI Dém. |                   |                     |  | 1,00   0,3          |           | 1,00   0,3          |           | 1,00   0,3          |                   | 1,00   0,3          |           | 1,00   0,3          |           | 1,00   0,3          |               | 1,00   0,3          |           | 1,00   0,3          |           |   |       |  |
| Sélectivité            |                   | I<0,24kA            |  | I<0,24kA            |           | I<0,24kA            |           | I<0,24kA            |                   | I<0,24kA            |           | I<0,24kA            |           | I<0,24kA            |               | I<0,24kA            |           | I<0,24kA            |           |   |       |  |
| PROT.                  | Type              | Déclencheur         |  | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |                   | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |               | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           |   |       |  |
|                        | Calibre           | Tempo               |  | 16 A   ms           |           | 16 A   ms           |           | 16 A   ms           |                   | 16 A   ms           |           | 16 A   ms           |           | 16 A   ms           |               | 16 A   ms           |           | 16 A   ms           |           |   |       |  |
|                        | ID                | Tempo.Diff.         |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
|                        | IrTh/IN           | IrMg/IN             |  | 16 A   160 A        |           | 16 A   160 A        |           | 16 A   160 A        |                   | 16 A   160 A        |           | 16 A   160 A        |           | 16 A   160 A        |               | 16 A   160 A        |           | 16 A   160 A        |           |   |       |  |
|                        | IrMg max.         |                     |  | 368 A               |           | 368 A               |           | 368 A               |                   | 368 A               |           | 368 A               |           | 368 A               |               | 368 A               |           | 368 A               |           |   |       |  |
|                        | Contacteur        |                     |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
|                        | Relais thermique  |                     |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
|                        |                   |                     |  |                     |           |                     |           |                     |                   |                     |           |                     |           |                     |               |                     |           |                     |           |   |       |  |
| LOGO<br>Entreprise     |                   |                     | Siège NTIC-OFPP T                        |                     |           |                     |           |                     | A                 |                     |           | Ind.                |           |                     | MODIFICATIONS |                     |           | AFFAIRE N°          |           |   | Folio |  |
|                        |                   |                     | Unifilaire Industriel 10 circuits TP-3-N |                     |           |                     |           |                     | Date : 01/10/2020 |                     |           | Norme : C1510002    |           |                     | PLAN N°       |                     |           | 21 / 30             |           |   |       |  |

[illegible]

|                    |                   |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
|--------------------|-------------------|-------------------|--|-----------------|------|-----------------|------|-----------------|-------------------|---------------------|------|---------------------|---|---------------------|------------------|---------------------|---|---------------------|---|-------|------------------|--|
| Révision           |                   |                   | A  | A               | A    | A               | A    | A               | A                 | A                   | A    |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| RESEAU             |                   |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| Rég.de N           | TT                |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| Tension            | 400 V             |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| DISTRIBUTION       |                   |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| Amont              | C_7               |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| Repère             | TP-2-N            |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
|                    |                   |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| I Totale           | 31 A              |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| I installée        | 35 A              |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| Ik3 max            | 2027 A            |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| Ik1 max            | 1014 A            |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| dU max             | Normal<br>2,23 %  | Secours<br>0,00 % |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| CIRCUIT            | Repère            | C 7               | C 23   | J 1             | C 32 | C 24            | C 25 | C 26            | C 27              | C 30                | C 36 |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
|                    | Distribution Aval | TP-2-N            |  | C 23            |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
|                    | Désignation       |                   | JDB ECL 1  |                 | E1   | E2              | E3   | E4              | E5                | E9                  | E12  |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
|                    | Nb                | Consommation      | 1  | 17KW            | 1    | 0.8KW           | 0    |                 | 4                 | 1*36W               | 4    | 1*36W               | 5 | 1*36W               | 5                | 1*36W               | 2 | 1*36W               | 5 | 1*36W |                  |  |
| Alimentation       |                   | Normal            |  | Normal          |      |                 |      | Normal          |                   | Normal              |      | Normal              |   | Normal              |                  | Normal              |   | Normal              |   |       |                  |  |
| JdB / Ip           |                   | D. Origine        |  | / 0,00 kA   0 m |      | / 3,04 kA   0 m |      | / 0,00 kA   0 m |                   | J 1 / 0,44 kA   0 m |      | J 1 / 0,44 kA   0 m |   | J 1 / 0,44 kA   0 m |                  | J 1 / 0,44 kA   0 m |   | J 1 / 0,44 kA   0 m |   |       |                  |  |
| Type               |                   | U1000R2V          |  | U1000R2V        |      |                 |      | U1000R2V        |                   | U1000R2V            |      | U1000R2V            |   | U1000R2V            |                  | U1000R2V            |   | U1000R2V            |   |       |                  |  |
| Longueur           |                   | Ame               |  | 40 m   Cu       |      | 0 m   Cu        |      | 0 m             |                   | 25 m   Cu           |      | 25 m   Cu           |   | 25 m   Cu           |                  | 25 m   Cu           |   | 25 m   Cu           |   |       |                  |  |
| L.Max prot.        |                   | 99 m (CC)         |  |                 |      |                 |      | 64 m (CC)       |                   | 64 m (CC)           |      | 64 m (CC)           |   | 64 m (CC)           |                  | 64 m (CC)           |   | 64 m (CC)           |   |       |                  |  |
| dU Totale          |                   | dU Dém.           |  | 2,23 %   2,23 % |      | 2,23 %   0 %    |      | 0,00 %   0 %    |                   | 2,44 %   2,49 %     |      | 2,44 %   2,49 %     |   | 2,49 %   2,56 %     |                  | 2,49 %   2,56 %     |   | 2,33 %   2,36 %     |   |       |                  |  |
| Nb   Câble         |                   | 0   5G10          |  | 0               |      | 0               |      | 0   3G1.5       |                   | 0   3G1.5           |      | 0   3G1.5           |   | 0   3G1.5           |                  | 0   3G1.5           |   | 0   3G1.5           |   |       |                  |  |
| Neutre PE/PEN      |                   | Séparé            |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| IB                 |                   | Iz                |  | 30,7 A   0,0 A  |      | 1,4 A   22,9 A  |      | 0,0 A   0,0 A   |                   | 0,8 A   19,0 A      |      | 0,8 A   19,0 A      |   | 1,1 A   19,0 A      |                  | 1,1 A   19,0 A      |   | 1,1 A   19,0 A      |   |       |                  |  |
| Ik3 Max            |                   | Ik2 Min           |  | 2027 A   1333 A |      | 2027 A   1333 A |      | A   A           |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| Ik1 Min            |                   | ID                |  | 770 A           |      | 770 A   300 mA  |      | A               |                   | 213 A               |      | 213 A               |   | 213 A               |                  | 213 A               |   | 213 A               |   |       |                  |  |
| ID / IN            |                   | Cos PHI Dém.      |  | 0,00   0        |      | 0,00   0        |      | 0,00   0        |                   | 1,00   0,92         |      | 1,00   0,92         |   | 1,00   0,92         |                  | 1,00   0,92         |   | 1,00   0,92         |   |       |                  |  |
| Sélectivité        |                   |                   |  | Fonct.          |      | Fonct.          |      | Fonct.          |                   | Fonct.              |      | Fonct.              |   | Fonct.              |                  | Fonct.              |   | Fonct.              |   |       |                  |  |
| PROT.              | Type              | Déclencheur       |  | DT40            |      | ID 4P           |      |                 |                   | DT40 Ph+N 2P2D      |      | DT40 Ph+N 2P2D      |   | DT40 Ph+N 2P2D      |                  | DT40 Ph+N 2P2D      |   | DT40 Ph+N 2P2D      |   |       |                  |  |
|                    | Calibre           | Tempo             |  | 32 A   ms       |      | 25 A   ms       |      | 0 A   ms        |                   | 10 A   ms           |      | 10 A   ms           |   | 10 A   ms           |                  | 10 A   ms           |   | 10 A   ms           |   |       |                  |  |
|                    | ID                | Tempo.Diff.       |  | ms              |      | 300 mA   ms     |      | ms              |                   | ms                  |      | ms                  |   | ms                  |                  | ms                  |   | ms                  |   |       |                  |  |
|                    | IrTh/IN           | IrMg/IN           |  | 32 A   320 A    |      | 0 A   0 A       |      | 0 A   0 A       |                   | 10 A   100 A        |      | 10 A   100 A        |   | 10 A   100 A        |                  | 10 A   100 A        |   | 10 A   100 A        |   |       |                  |  |
|                    | IrMg max.         |                   |  | 0 A             |      | 770 A           |      | 0 A             |                   | 213 A               |      | 213 A               |   | 213 A               |                  | 213 A               |   | 213 A               |   |       |                  |  |
|                    | Contacteur        |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| Relais thermique   |                   |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
|                    |                   |                   |  |                 |      |                 |      |                 |                   |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
| LOGO<br>Entreprise |                   |                   | Siège NTIC-OFPPT<br><br>Unifilaire Industriel 10 circuits TP-2-N |                 |      |                 |      |                 | A                 |                     |      |                     |   |                     | AFFAIRE N°       |                     |   |                     |   |       | Folio<br>22 / 30 |  |
|                    |                   |                   |  |                 |      |                 |      |                 | Ind.              |                     |      |                     |   |                     |                  |                     |   |                     |   |       |                  |  |
|                    |                   |                   |  |                 |      |                 |      |                 | Date : 01/10/2020 |                     |      |                     |   |                     | Norme : C1510002 |                     |   |                     |   |       |                  |  |

|                    |                   |                  |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|-------------------|------------------|--------------|-------------------|---------------------|--------|-----------|------|-----------------|---|-----------|--|-----------------|--------|-----------|------|---------------------|--------|-----------|-------------------|---------------------|--------|-----------|------------------|---------------------|--------|-----------|------------|---------------------|--------|-----------|------------------|---------------------|--------|-----------|------|---------------------|--------|-----------|------|---------------------|--------|-----------|--|----------------|--------|-------|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Révision           |                   |                  |              | A                 |                     | A      |           | A    |                 | A |           | A  |                 | A      |           | A    |                     | A      |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RESEAU             |                   |                  |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rég.de N           |                   | TT               |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tension            |                   | 400 V            |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DISTRIBUTION       |                   |                  |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Amont              |                   | C_7              |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Repère             |                   | TP-2-N           |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I Totale           |                   | 31 A             |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I installée        |                   | 35 A             |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ik3 max            |                   | 2027 A           |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ik1 max            |                   | 1014 A           |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| dU max             |                   | Normal<br>2,23 % |              | Secours<br>0,00 % |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CIRCUIT            | Repère            |                  | C 37         |                   |                     |        | C 33      |      |                 |   | J 2       |  |                 |        | C 38      |      |                     |        | C 39      |                   |                     |        | C 40      |                  |                     |        | C 41      |            |                     |        | C 42      |                  |                     |        | C 44      |      |                     |        | C 45      |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | Distribution Aval |                  |              |                   |                     |        |           |      |                 |   | C 33      |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | Désignation       |                  | E13          |                   |                     |        | JDB ECL 2 |      |                 |   |           |  |                 |        | E14       |      |                     |        | E15       |                   |                     |        | E16       |                  |                     |        | E17       |            |                     |        | E18       |                  |                     |        | E19       |      |                     |        | E20       |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | Nb                |                  | Consommation |                   | 5                   |        | 1*36W     |      | 1               |   | 0.8KW     |  | 0               |        |           |      | 5                   |        | 1*36W     |                   | 5                   |        | 1*36W     |                  | 2                   |        | 1*36W     |            | 2                   |        | 1*36W     |                  | 4                   |        | 1*36W     |      | 4                   |        | 1*36W     |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alimentation       |                   | Normal           |              |                   |                     | Normal |           |      |                 |   |           |  |                 | Normal |           |      |                     | Normal |           |                   |                     | Normal |           |                  |                     | Normal |           |            |                     | Normal |           |                  |                     | Normal |           |      |                     | Normal |           |      |                     | Normal |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LIAISON            | JdB / Ip          |                  | D. Origine   |                   | J 1 / 0,44 kA   0 m |        |           |      | / 3,04 kA   0 m |   |           |  | / 0,00 kA   0 m |        |           |      | J 2 / 0,44 kA   0 m |        |           |                   | J 2 / 0,44 kA   0 m |        |           |                  | J 2 / 0,44 kA   0 m |        |           |            | J 2 / 0,44 kA   0 m |        |           |                  | J 2 / 0,44 kA   0 m |        |           |      | J 2 / 0,44 kA   0 m |        |           |      | J 2 / 0,44 kA   0 m |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | Type              |                  | U1000R2V     |                   |                     |        | U1000R2V  |      |                 |   |           |  |                 |        | U1000R2V  |      |                     |        | U1000R2V  |                   |                     |        | U1000R2V  |                  |                     |        | U1000R2V  |            |                     |        | U1000R2V  |                  |                     |        | U1000R2V  |      |                     |        | U1000R2V  |      |                     |        | U1000R2V  |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | Longueur          |                  | Ame          |                   | 25 m                |        | Cu        |      | 0 m             |   | Cu        |  | 0 m             |        |           |      | 25 m                |        | Cu        |                   | 25 m                |        | Cu        |                  | 25 m                |        | Cu        |            | 25 m                |        | Cu        |                  | 25 m                |        | Cu        |      | 25 m                |        | Cu        |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | L.Max prot.       |                  | 64 m (CC)    |                   |                     |        |           |      |                 |   | 64 m (CC) |  |                 |        | 64 m (CC) |      |                     |        | 64 m (CC) |                   |                     |        | 64 m (CC) |                  |                     |        | 64 m (CC) |            |                     |        | 64 m (CC) |                  |                     |        | 64 m (CC) |      |                     |        | 64 m (CC) |      |                     |        | 64 m (CC) |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | dU Totale         |                  | dU Dém.      |                   | 2,49 %              |        | 2,56 %    |      | 2,23 %          |   | 0 %       |  | 0,00 %          |        | 0 %       |      | 2,49 %              |        | 2,56 %    |                   | 2,49 %              |        | 2,56 %    |                  | 2,33 %              |        | 2,36 %    |            | 2,33 %              |        | 2,36 %    |                  | 2,33 %              |        | 2,36 %    |      | 2,44 %              |        | 2,49 %    |      | 2,44 %              |        | 2,49 %    |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | Nb                |                  | Câble        |                   | 0                   |        | 3G1.5     |      | 0               |   |           |  | 0               |        |           |      | 0                   |        | 3G1.5     |                   | 0                   |        | 3G1.5     |                  | 0                   |        | 3G1.5     |            | 0                   |        | 3G1.5     |                  | 0                   |        | 3G1.5     |      | 0                   |        | 3G1.5     |      | 0                   |        | 3G1.5     |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | Neutre PE/PEN     |                  | Séparé       |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | IB                |                  | Iz           |                   | 1,1 A               |        | 19,0 A    |      | 1,4 A           |   | 22,9 A    |  | 0,0 A           |        | 0,0 A     |      | 1,1 A               |        | 19,0 A    |                   | 1,1 A               |        | 19,0 A    |                  | 0,4 A               |        | 19,0 A    |            | 0,4 A               |        | 19,0 A    |                  | 0,4 A               |        | 19,0 A    |      | 0,8 A               |        | 19,0 A    |      | 0,8 A               |        | 19,0 A    |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | Ik3 Max           |                  | Ik2 Min      |                   |                     |        |           |      | 2027 A          |   | 1333 A    |  | A               |        | A         |      |                     |        |           |                   | 213 A               |        | 213 A     |                  | 213 A               |        |           |            | 213 A               |        |           |                  | 213 A               |        |           |      | 213 A               |        |           |      | 213 A               |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | Ik1 Min           |                  | ID           |                   | 213 A               |        |           |      | 770 A           |   | 300 mA    |  | A               |        | A         |      | 213 A               |        |           |                   | 213 A               |        | 213 A     |                  | 213 A               |        |           |            | 213 A               |        | 213 A     |                  | 213 A               |        | 213 A     |      | 213 A               |        | 213 A     |      | 213 A               |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ID / IN            |                   | Cos PHI Dém.     |              | 1,00              |                     | 0,92   |           | 0,00 |                 | 0 |           | 0,00                                     |                 | 0      |           | 1,00 |                     | 0,92   |           | 1,00              |                     | 0,92   |           | 1,00             |                     | 0,92   |           | 1,00       |                     | 0,92   |           | 1,00             |                     | 0,92   |           | 1,00 |                     | 0,92   |           | 1,00 |                     | 0,92   |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sélectivité        |                   | Fonct.           |              |                   |                     |        |           |      |                 |   |           |  |                 | Fonct. |           |      |                     | Fonct. |           |                   |                     | Fonct. |           |                  |                     | Fonct. |           |            |                     | Fonct. |           |                  |                     | Fonct. |           |      |                     | Fonct. |           |      |                     | Fonct. |           |  |                | Fonct. |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PROT.              | Type              |                  | Déclencheur  |                   | DT40 Ph+N 2P2D      |        |           |      | ID 4P           |   |           |  |                 |        |           |      | DT40 Ph+N 2P2D      |        |           |                   | DT40 Ph+N 2P2D      |        |           |                  | DT40 Ph+N 2P2D      |        |           |            | DT40 Ph+N 2P2D      |        |           |                  | DT40 Ph+N 2P2D      |        |           |      | DT40 Ph+N 2P2D      |        |           |      | DT40 Ph+N 2P2D      |        |           |  | DT40 Ph+N 2P2D |        |       |  | DT40 Ph+N 2P2D |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | Calibre           |                  | Tempo        |                   | 10 A                |        | ms        |      | 25 A            |   | ms        |  | 0 A             |        | ms        |      | 10 A                |        | ms        |                   | 10 A                |        | ms        |                  | 10 A                |        | ms        |            | 10 A                |        | ms        |                  | 10 A                |        | ms        |      | 10 A                |        | ms        |      | 10 A                |        | ms        |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | ID                |                  | Tempo.Diff.  |                   |                     |        | ms        |      | 300 mA          |   | ms        |  |                 |        | ms        |      |                     |        | ms        |                   |                     |        | ms        |                  |                     |        | ms        |            |                     |        | ms        |                  |                     |        | ms        |      |                     |        | ms        |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | IrTh/IN           |                  | IrMg/IN      |                   | 10 A                |        | 100 A     |      | 0 A             |   | 0 A       |  | 0 A             |        | 0 A       |      | 10 A                |        | 100 A     |                   | 10 A                |        | 100 A     |                  | 10 A                |        | 100 A     |            | 10 A                |        | 100 A     |                  | 10 A                |        | 100 A     |      | 10 A                |        | 100 A     |      | 10 A                |        | 100 A     |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | IrMg max.         |                  | 213 A        |                   |                     |        | 770 A     |      |                 |   | 0 A       |  |                 |        | 213 A     |      |                     |        | 213 A     |                   |                     |        | 213 A     |                  |                     |        | 213 A     |            |                     |        | 213 A     |                  |                     |        | 213 A     |      |                     |        | 213 A     |      |                     |        | 213 A     |  |                |        | 213 A |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | Contacteur        |                  |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relais thermique   |                   |                  |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |                   |                  |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LOGO<br>Entreprise |                   |                  |              | Siège NTIC-OFPPT  |                     |        |           |      |                 |   |           | Unifilaire Industriel 10 circuits TP-2-N |                 |        |           |      |                     |        |           |                   |                     |        |           |                  |                     |        |           | AFFAIRE N° |                     |        |           | Folio<br>23 / 30 |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |                   |                  |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           | A                 |                     |        |           |                  |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |                   |                  |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           | Ind.              |                     |        |           | MODIFICATIONS    |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |                   |                  |              |                   |                     |        |           |      |                 |   |           |  |                 |        |           |      |                     |        |           | Date : 01/10/2020 |                     |        |           | Norme : C1510002 |                     |        |           |            |                     |        |           |                  |                     |        |           |      |                     |        |           |      |                     |        |           |  |                |        |       |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                    |                   |               |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
|--------------------|-------------------|---------------|-----------|--|-----------|-----------------|--------|-----------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|---------------------|-----------|--------|--|
| Révision           |                   |               |           | A  |           | A               |        | A               |           | A                   |           | A                   |           | A                   |           | A                   |           | A                   |           |                     |           |        |  |
| RESEAU             |                   |               |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| Rég.de N           |                   | TT            |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| Tension            |                   | 400 V         |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| DISTRIBUTION       |                   |               |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| Amont              |                   | C_7           |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| Repère             |                   | TP-2-N        |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
|                    |                   |               |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| I Totale           |                   | 31 A          |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| I installée        |                   | 35 A          |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| Ik3 max            |                   | 2027 A        |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| Ik1 max            |                   | 1014 A        |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| dU max             |                   | Normal 2,23 % |           | Secours 0,00 %   |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| CIRCUIT            | Repère            |               | C 46      |  | C 43      |                 | J 3    |                 | C 47      |                     | C 48      |                     | C 49      |                     | C 50      |                     | C 51      |                     | C 52      |                     | C 54      |        |  |
|                    | Distribution Aval |               |           |  |           |                 | C 43   |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
|                    | Désignation       |               | E21       |  | JDB ECL 3 |                 |        |                 | E22       |                     | E23       |                     | E24       |                     | E25       |                     | E26       |                     | E27       |                     | E28       |        |  |
|                    | Nb                | Consommation  | 5         | 1*36W  | 1         | 0.8KW           | 0      |                 | 5         | 1*36W               | 5         | 1*36W               | 5         | 1*36W               | 2         | 1*36W               | 2         | 1*36W               | 2         | 1*36W               | 2         | 1*36W  |  |
| Alimentation       |                   | Normal        |           | Normal   |           |                 |        | Normal          |           | Normal              |           | Normal              |           | Normal              |           | Normal              |           | Normal              |           | Normal              |           |        |  |
| LIAISON            | JdB / Ip          | D. Origine    |           | J 2 / 0,44 kA   0 m  |           | / 3,04 kA   0 m |        | / 0,00 kA   0 m |           | J 3 / 0,44 kA   0 m |           | J 3 / 0,44 kA   0 m |           | J 3 / 0,44 kA   0 m |           | J 3 / 0,44 kA   0 m |           | J 3 / 0,44 kA   0 m |           | J 3 / 0,44 kA   0 m |           |        |  |
|                    | Type              |               | U1000R2V  |  | U1000R2V  |                 |        |                 | U1000R2V  |                     | U1000R2V  |                     | U1000R2V  |                     | U1000R2V  |                     | U1000R2V  |                     | U1000R2V  |                     | U1000R2V  |        |  |
|                    | Longueur          |               | 25 m   Cu |  | 0 m   Cu  |                 | 0 m    |                 | 25 m   Cu |                     | 25 m   Cu |                     | 25 m   Cu |                     | 25 m   Cu |                     | 25 m   Cu |                     | 25 m   Cu |                     | 25 m   Cu |        |  |
|                    | L.Max prot.       |               | 64 m (CC) |  | 64 m (CC) |                 |        |                 | 64 m (CC) |                     | 64 m (CC) |                     | 64 m (CC) |                     | 64 m (CC) |                     | 64 m (CC) |                     | 64 m (CC) |                     | 64 m (CC) |        |  |
|                    | dU Totale         | dU Dém.       | 2,49 %    | 2,56 %   | 2,23 %    | 0 %             | 0,00 % | 0 %             | 2,49 %    | 2,56 %              | 2,49 %    | 2,56 %              | 2,49 %    | 2,56 %              | 2,33 %    | 2,36 %              | 2,33 %    | 2,36 %              | 2,33 %    | 2,36 %              | 2,33 %    | 2,36 % |  |
|                    | Nb                | Câble         | 0         | 3G1.5  | 0         |                 | 0      |                 | 0         | 3G1.5               | 0         | 3G1.5               | 0         | 3G1.5               | 0         | 3G1.5               | 0         | 3G1.5               | 0         | 3G1.5               | 0         | 3G1.5  |  |
|                    | Neutre PE/PEN     |               | Séparé    |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
|                    | IB                | Iz            | 1,1 A     | 19,0 A   | 1,4 A     | 22,9 A          | 0,0 A  | 0,0 A           | 1,1 A     | 19,0 A              | 1,1 A     | 19,0 A              | 1,1 A     | 19,0 A              | 0,4 A     | 19,0 A              | 0,4 A     | 19,0 A              | 0,4 A     | 19,0 A              | 0,4 A     | 19,0 A |  |
|                    | Ik3 Max           | Ik2 Min       |           |  | 2027 A    | 1333 A          | A      | A               |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
|                    | Ik1 Min           | ID            | 213 A     |  | 770 A     | 300 mA          | A      |                 | 213 A     |                     | 213 A     |                     | 213 A     |                     | 213 A     |                     | 213 A     |                     | 213 A     |                     | 213 A     |        |  |
| ID / IN            | Cos PHI Dém.      | 1,00          | 0,92      | 0,00   | 0         | 0,00            | 0      | 1,00            | 0,92      | 1,00                | 0,92      | 1,00                | 0,92      | 1,00                | 0,92      | 1,00                | 0,92      | 1,00                | 0,92      | 1,00                | 0,92      |        |  |
| Sélectivité        |                   | Fonct.        |           |  |           |                 |        | Fonct.          |           | Fonct.              |           | Fonct.              |           | Fonct.              |           | Fonct.              |           | Fonct.              |           | Fonct.              |           |        |  |
| PROT.              | Type              | Déclencheur   |           | DT40 Ph+N 2P2D   |           | ID 4P           |        | DT40 Ph+N 2P2D  |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           | DT40 Ph+N 2P2D      |           |        |  |
|                    | Calibre           | Tempo         |           | 10 A   | ms        | 25 A            | ms     | 0 A             | ms        | 10 A                | ms        | 10 A                | ms        | 10 A                | ms        | 10 A                | ms        | 10 A                | ms        | 10 A                | ms        |        |  |
|                    | ID                | Tempo.Diff.   |           |  | ms        | 300 mA          | ms     |                 | ms        |                     | ms        |                     | ms        |                     | ms        |                     | ms        |                     | ms        |                     | ms        |        |  |
|                    | IrTh/IN           | IrMg/IN       |           | 10 A   | 100 A     | 0 A             | 0 A    | 0 A             | 0 A       | 10 A                | 100 A     | 10 A                | 100 A     | 10 A                | 100 A     | 10 A                | 100 A     | 10 A                | 100 A     | 10 A                | 100 A     |        |  |
|                    | IrMg max.         |               | 213 A     |  | 770 A     |                 | 0 A    |                 | 213 A     |                     | 213 A     |                     | 213 A     |                     | 213 A     |                     | 213 A     |                     | 213 A     |                     | 213 A     |        |  |
|                    | Contacteur        |               |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| Relais thermique   |                   |               |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
|                    |                   |               |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
| LOGO<br>Entreprise |                   |               |           | Siège NTIC-OFPPT<br><br>Unifilaire Industriel 10 circuits TP-2-N |           |                 |        |                 |           |                     |           |                     |           |                     |           |                     |           |                     |           |                     |           |        |  |
|                    |                   |               |           |  |           |                 |        |                 |           |                     |           | A                   |           |                     |           |                     |           |                     |           |                     |           |        |  |
|                    |                   |               |           |  |           |                 |        |                 |           |                     |           | Ind.                |           |                     |           | MODIFICATIONS       |           |                     |           |                     |           |        |  |
|                    |                   |               |           |  |           |                 |        |                 |           |                     |           | Date : 01/10/2020   |           |                     |           | Norme : C1510002    |           |                     |           |                     |           |        |  |
| AFFAIRE N°         |                   |               |           | PLAN N°  |           |                 |        |                 |           |                     |           |                     |           |                     |           | Folio               |           |                     |           |                     |           |        |  |
|                    |                   |               |           |  |           |                 |        |                 |           |                     |           |                     |           |                     |           | 24 / 30             |           |                     |           |                     |           |        |  |





| Révision           |                   |               |                 | A  |                 | A               |               | A               |                 | A                   |                | A                   |                | A                   |                | A                   |                | A                   |                |                           |                |  |  |                  |  |
|--------------------|-------------------|---------------|-----------------|--|-----------------|-----------------|---------------|-----------------|-----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------------|----------------|--|--|------------------|--|
| RESEAU             |                   |               |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| Rég.de N           |                   | TT            |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| Tension            |                   | 400 V         |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| DISTRIBUTION       |                   |               |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| Amont              |                   | C_7           |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| Repère             |                   | TP-2-N        |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
|                    |                   |               |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| I Totale           |                   | 31 A          |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| I installée        |                   | 35 A          |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| Ik3 max            |                   | 2027 A        |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| Ik1 max            |                   | 1014 A        |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| dU max             |                   | Normal 2,23 % |                 | Secours 0,00 %   |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| CIRCUIT            | Repère            |               | C 59            |  | C 65            |                 | J 5           |                 | C 64            |                     | C 63           |                     | C 62           |                     | C 61           |                     | C 60           |                     | C 56           |                           | C 66           |  |  |                  |  |
|                    | Distribution Aval |               |                 |  |                 |                 | C 65          |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
|                    | Désignation       |               | PC3             |  | JDB PC 2        |                 |               |                 | PC4             |                     | PC5            |                     | PC6            |                     | PC7            |                     | PC8            |                     | PC9            |                           | PC10           |  |  |                  |  |
|                    | Nb                | Consommation  | 2   0.2KW       |  | 1   4KW         |                 | 0             |                 | 2   0.2KW       |                     | 4   0.2KW      |                     | 4   0.2KW      |                     | 4   0.2KW      |                     | 4   0.2KW      |                     | 4   0.2KW      |                           | 4   0.2KW      |  |  |                  |  |
| Alimentation       |                   | Normal        |                 | Normal   |                 |                 |               | Normal          |                 | Normal              |                | Normal              |                | Normal              |                | Normal              |                | Normal              |                | Normal                    |                |  |  |                  |  |
| LIAISON            | JdB / Ip          | D. Origine    |                 | J 4 / 0,71 kA   0 m  |                 | / 3,04 kA   0 m |               | / 0,00 kA   0 m |                 | J 5 / 0,71 kA   0 m |                | J 5 / 0,71 kA   0 m |                | J 5 / 0,71 kA   0 m |                | J 5 / 0,71 kA   0 m |                | J 5 / 0,71 kA   0 m |                | J 5 / 0,71 kA   0 m       |                |  |  |                  |  |
|                    | Type              |               | U1000R2V        |  | U1000R2V        |                 |               |                 | U1000R2V        |                     | U1000R2V       |                     | U1000R2V       |                     | U1000R2V       |                     | U1000R2V       |                     | U1000R2V       |                           | U1000R2V       |  |  |                  |  |
|                    | Longueur          |               | 20 m   Cu       |  | 0 m   Cu        |                 | 0 m           |                 | 20 m   Cu       |                     | 20 m   Cu      |                     | 20 m   Cu      |                     | 20 m   Cu      |                     | 20 m   Cu      |                     | 20 m   Cu      |                           | 20 m   Cu      |  |  |                  |  |
|                    | L.Max prot.       |               | 61 m (CC)       |  | 61 m (CC)       |                 | 61 m (CC)     |                 | 61 m (CC)       |                     | 61 m (CC)      |                     | 61 m (CC)      |                     | 61 m (CC)      |                     | 61 m (CC)      |                     | 61 m (CC)      |                           | 61 m (CC)      |  |  |                  |  |
|                    | dU Totale         | dU Dém.       | 2,46 %   2,46 % |  | 2,23 %   0 %    |                 | 0,00 %   0 %  |                 | 2,46 %   2,46 % |                     | 2,70 %   2,7 % |                     | 2,70 %   2,7 % |                     | 2,70 %   2,7 % |                     | 2,70 %   2,7 % |                     | 2,70 %   2,7 % |                           | 2,70 %   2,7 % |  |  |                  |  |
|                    | Nb                | Câble         | 0   3G2.5       |  | 0               |                 | 0             |                 | 0   3G2.5       |                     | 0   3G2.5      |                     | 0   3G2.5      |                     | 0   3G2.5      |                     | 0   3G2.5      |                     | 0   3G2.5      |                           | 0   3G2.5      |  |  |                  |  |
|                    | Neutre PE/PEN     |               | Séparé          |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
|                    | IB                | Iz            | 2,2 A   26,1 A  |  | 7,2 A   22,9 A  |                 | 0,0 A   0,0 A |                 | 2,2 A   26,1 A  |                     | 4,3 A   26,1 A |                     | 4,3 A   26,1 A |                     | 4,3 A   26,1 A |                     | 4,3 A   26,1 A |                     | 4,3 A   26,1 A |                           | 4,3 A   26,1 A |  |  |                  |  |
|                    | Ik3 Max           | Ik2 Min       |                 |  | 2027 A   1333 A |                 | A   A         |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
|                    | Ik1 Min           | ID            | 343 A           |  | 770 A   30 mA   |                 | A             |                 | 343 A           |                     | 343 A          |                     | 343 A          |                     | 343 A          |                     | 343 A          |                     | 343 A          |                           | 343 A          |  |  |                  |  |
| ID / IN            |                   | Cos PHI Dém.  |                 | 0,00   0   |                 | 0,00   0        |               | 0,00   0        |                 | 0,00   0            |                | 0,00   0            |                | 0,00   0            |                | 0,00   0            |                | 0,00   0            |                | 0,00   0                  |                |  |  |                  |  |
| Sélectivité        |                   | Fonct.        |                 |  |                 |                 |               | Fonct.          |                 | Fonct.              |                | Fonct.              |                | Fonct.              |                | Fonct.              |                | Fonct.              |                | Fonct.                    |                |  |  |                  |  |
| PROT.              | Type              | Déclencheur   |                 | DT40 Ph+N 2P2D   |                 | ID 4P           |               | DT40 Ph+N 2P2D  |                 | DT40 Ph+N 2P2D      |                | DT40 Ph+N 2P2D      |                | DT40 Ph+N 2P2D      |                | DT40 Ph+N 2P2D      |                | DT40 Ph+N 2P2D      |                | DT40 Ph+N 2P2D            |                |  |  |                  |  |
|                    | Calibre           | Tempo         |                 | 16 A   ms  |                 | 25 A   ms       |               | 0 A   ms        |                 | 16 A   ms           |                | 16 A   ms           |                | 16 A   ms           |                | 16 A   ms           |                | 16 A   ms           |                | 16 A   ms                 |                |  |  |                  |  |
|                    | ID                | Tempo.Diff.   |                 | ms   |                 | 30 mA   ms      |               | ms              |                 | ms                  |                | ms                  |                | ms                  |                | ms                  |                | ms                  |                | ms                        |                |  |  |                  |  |
|                    | IrTh/IN           | IrMg/IN       |                 | 16 A   160 A   |                 | 0 A   0 A       |               | 0 A   0 A       |                 | 16 A   160 A        |                | 16 A   160 A        |                | 16 A   160 A        |                | 16 A   160 A        |                | 16 A   160 A        |                | 16 A   160 A              |                |  |  |                  |  |
|                    | IrMg max.         |               | 343 A           |  | 770 A           |                 | 0 A           |                 | 343 A           |                     | 343 A          |                     | 343 A          |                     | 343 A          |                     | 343 A          |                     | 343 A          |                           |                |  |  |                  |  |
|                    | Contacteur        |               |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| Relais thermique   |                   |               |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
|                    |                   |               |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
| LOGO<br>Entreprise |                   |               |                 | Siège NTIC-OFPPT<br><br>Unifilaire Industriel 10 circuits TP-2-N |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
|                    |                   |               |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
|                    |                   |               |                 |  |                 |                 |               |                 |                 |                     |                | A                   |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |
|                    |                   |               |                 |  |                 |                 |               |                 |                 |                     |                | Ind.                |                |                     |                |                     |                |                     |                | MODIFICATIONS             |                |  |  |                  |  |
|                    |                   |               |                 | Date : 01/10/2020  |                 |                 |               |                 |                 |                     |                | Norme : C1510002    |                |                     |                |                     |                |                     |                | AFFAIRE N°<br><br>PLAN N° |                |  |  | Folio<br>26 / 30 |  |
|                    |                   |               |                 |  |                 |                 |               |                 |                 |                     |                |                     |                |                     |                |                     |                |                     |                |                           |                |  |  |                  |  |



Fichier : Siège NTIC-OFPPT.AFR

Fichier : Siège NTIC-OFPPT.AFR

|                    |                   |                  |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|--------------------|-------------------|------------------|--------------|--|---------------|--|--------|--|---|--|---|------------|---|------------|---|---------------|---|----------|---|--|--|--|
| Révision           |                   | A                |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| RESEAU             |                   |                  |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| Rég.de N           |                   | TT               |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| Tension            |                   | 400 V            |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| DISTRIBUTION       |                   |                  |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| Amont              |                   | C_7              |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| Repère             |                   | TP-2-N           |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    |                   |                  |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| I Totale           |                   | 31 A             |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| I installée        |                   | 35 A             |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| Ik3 max            |                   | 2027 A           |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| Ik1 max            |                   | 1014 A           |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| dU max             |                   | Normal<br>2,23 % |              | Secours<br>0,00 %  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| CIRCUIT            | Repère            |                  | C 196        |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Distribution Aval |                  |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Désignation       |                  | CLIM 17      |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    |                   |                  |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Nb                |                  | Consommation |  | 1             |  | 0.1KW  |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Alimentation      |                  | Normal       |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    |                   |                  |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    |                   |                  |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| LIAISON            | JdB / Ip          |                  | D. Origine   |  | J 8 / 0,82 kA |  | 0 m    |  | / |  | / |            | / |            | / |               | / |          | / |  |  |  |
|                    | Type              |                  | U1000R2V     |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Longueur          |                  | Ame          |  | 15 m          |  | Cu     |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | L.Max prot.       |                  | 61 m (CC)    |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | dU Totale         |                  | dU Dém.      |  | 2,28 %        |  | 2,28 % |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Nb Câble          |                  |              |  | 0             |  | 3G2.5  |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Neutre<br>PE/PEN  |                  | Séparé       |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | IB                |                  | Iz           |  | 0,5 A         |  | 26,1 A |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Ik3 Max           |                  | Ik2 Min      |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Ik1 Min           |                  | ID           |  | 398 A         |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | ID / IN           |                  | Cos PHI Dém. |  | 1,00          |  | 0,3    |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Sélectivité       |                  | I<0,24kA     |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| PROT.              | Type              |                  | Déclencheur  |  | DT40 Ph+N     |  | 2P2D   |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Calibre           |                  | Tempo        |  | 16 A          |  | ms     |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | ID                |                  | Tempo.Diff.  |  |               |  | ms     |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | IrTh/IN           |                  | IrMg/IN      |  | 16 A          |  | 160 A  |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | IrMg max.         |                  | 398 A        |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Contacteur        |                  |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    | Relais thermique  |                  |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    |                   |                  |              |  |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
| LOGO<br>Entreprise |                   |                  |              | Siège NTIC-OFPPT<br><br>Unifilaire Industriel 10 circuits TP-2-N |               |  |        |  |   |  |   |            |   |            |   |               |   |          |   |  |  |  |
|                    |                   |                  |              |  |               |  |        |  |   |  |   | A          |   |            |   |               |   |          |   |  |  |  |
|                    |                   |                  |              |  |               |  |        |  |   |  |   | Ind.       |   |            |   | MODIFICATIONS |   |          |   |  |  |  |
|                    |                   |                  |              |  |               |  |        |  |   |  |   | Date :     |   | 01/10/2020 |   | Norme :       |   | C1510002 |   |  |  |  |
|                    |                   |                  |              |  |               |  |        |  |   |  |   | AFFAIRE N° |   |            |   | Folio         |   |          |   |  |  |  |
|                    |                   |                  |              |  |               |  |        |  |   |  |   | PLAN N°    |   |            |   | 30 / 30       |   |          |   |  |  |  |