

CARACTÉRISTIQUES TECHNIQUES / Technical data  
**VLVAF2P03509AB**

|                                                                                                                        |                                                              |       |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------|
| TENSION ASSIGNEE / rated voltage (Un): .....                                                                           | 400                                                          | V     |
| PUISSANCE ASSIGNEE / rated power (Qn): .....                                                                           | 125                                                          | Kvar  |
| COURANT ASSIGNÉ / rated current (In): .....                                                                            | 180                                                          | A     |
| COURANT MAXIMUM PERMANENT / maximum continuous current (Imp): .....                                                    | 214                                                          | A     |
| FRÉQUENCE ASSIGNÉE / rated frequency (Fn): .....                                                                       | 50                                                           | Hz    |
| ISOLEMENT / insulation (Um): .....                                                                                     | 690                                                          | V     |
| PERTES CALCULÉES / calculated losses: .....                                                                            | 750                                                          | W     |
| ACCORD / tuning: .....                                                                                                 | 190                                                          | Hz    |
| COURANT ASSIGNE DE COURT-CIRCUIT CONDITIONNEL / rated<br>conditional short-circuit current (Icc): .....                | -                                                            | kA    |
| COURANT ASSIGNE DE COURTE DUREE ADMISSIBLE / rated short-time<br>withstand current (Icw): .....                        | 35                                                           | kA/1s |
| UTILISATION INTÉRIEURE / indoor type: .....                                                                            | IP31                                                         |       |
| NORME / standard: .....                                                                                                | IEC 61439-1 : 2011<br>IEC 61439-2 : 2011<br>IEC 61921 : 2017 |       |
| TEMPERATURE / temperature: .....                                                                                       | -5° / +45°C                                                  | °C    |
| MOYENNE SUR 24 HEURE / average temperature over 24 hours : .....                                                       | 35°C                                                         | °C    |
| MOYENNE ANNUELLE / average annual temperature : .....                                                                  | 25°C                                                         | °C    |
| SCHEMA ELECTRIQUE DE PUISSANCE / Power diagram : .....                                                                 | PF2PA3S(DS)WOCBSPF                                           |       |
| SCHEMA ELECTRIQUE DE CONTROLE / Control diagram : .....                                                                | CF2PA3S(DS)WOCB                                              |       |
| PLANS D'ARCHITECTURE, D'IMPLANTATION & D'INSTALLATION /<br>General Arrangement, Layout & Installation drawings : ..... | EF2PA2M3SBWOCBPF                                             |       |
| BORNIER CLIENT / Customer Terminal Blocks : .....                                                                      | S1B9989700                                                   |       |



VarSet capacitor bank Auto 125kvar DR3,8 xxB 400V 50Hz

Number:

VL VAF2P03509AB

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NOMENCLATURE / Bill of material

| Item | Description                                   | Part N° |
|------|-----------------------------------------------|---------|
|      |                                               |         |
| QS01 | Gamme / range – Ref Disjoncteur / Ref Breaker | - - -   |
|      | Réglage / Setting                             | -       |
|      | Bobine MX - Auxiliary MX                      | -       |

| MODULES         |                                      |                 |     |      |      |      |
|-----------------|--------------------------------------|-----------------|-----|------|------|------|
|                 | n=1                                  | n=2             | n=3 | n=4  | n=5  | n=6  |
|                 |                                      |                 |     |      |      |      |
| Power (kVar)    | 25 + 50                              | 50              | -   | -    | -    | -    |
| QS <sub>n</sub> | Fuses 160A                           | Fuses 125A      |     |      |      |      |
| KM <sub>n</sub> | LC1D38P7 + LC1D95P7                  | LC1D95P7        |     |      |      |      |
| C <sub>n</sub>  | BLRCH339A407B48 +<br>BLRCH680A000B48 | BLRCH680A000B48 |     |      |      |      |
| DR <sub>n</sub> | LVR7250A40T +<br>LVR7500A40T         | LVR7500A40T     |     |      |      |      |
|                 |                                      |                 |     |      |      |      |
|                 | n=7                                  | n=8             | n=9 | n=10 | n=11 | n=12 |
| Power (kVar)    | -                                    | -               | -   | -    | -    | -    |
| QS <sub>n</sub> |                                      |                 |     |      |      |      |
| KM <sub>n</sub> |                                      |                 |     |      |      |      |
| C <sub>n</sub>  |                                      |                 |     |      |      |      |
| DR <sub>n</sub> |                                      |                 |     |      |      |      |

| Item | Description                  | Part N°   |
|------|------------------------------|-----------|
|      |                              |           |
| QF1  | Fuses or CB                  | DF2CA04   |
| QF2  | Unipolar and neutral breaker | A9F74602  |
| TC1  | Transformer                  | ABL6TS40U |
| ST1  | Thermostat (ventilation)     |           |
| ST2  | Thermostat (overheating)     | NSYCCOTH0 |
| EV1  | Fan                          | PHA25987  |
| EV2  | Fan                          |           |
| A1   | PFC controller               | VPL06N    |

(La liste et les références des composants figurant ci-après sont données à titre indicatif compte tenu de leur caractère évolutif du fait des éventuelles modifications de design ou évolutions des normes de référence / As product design and standards of reference change from time to time, the following list of part and corresponding reference are for information only)



VarSet capacitor bank Auto 125kvar DR3,8 xxB 400V 50Hz

Number:

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A

B

C

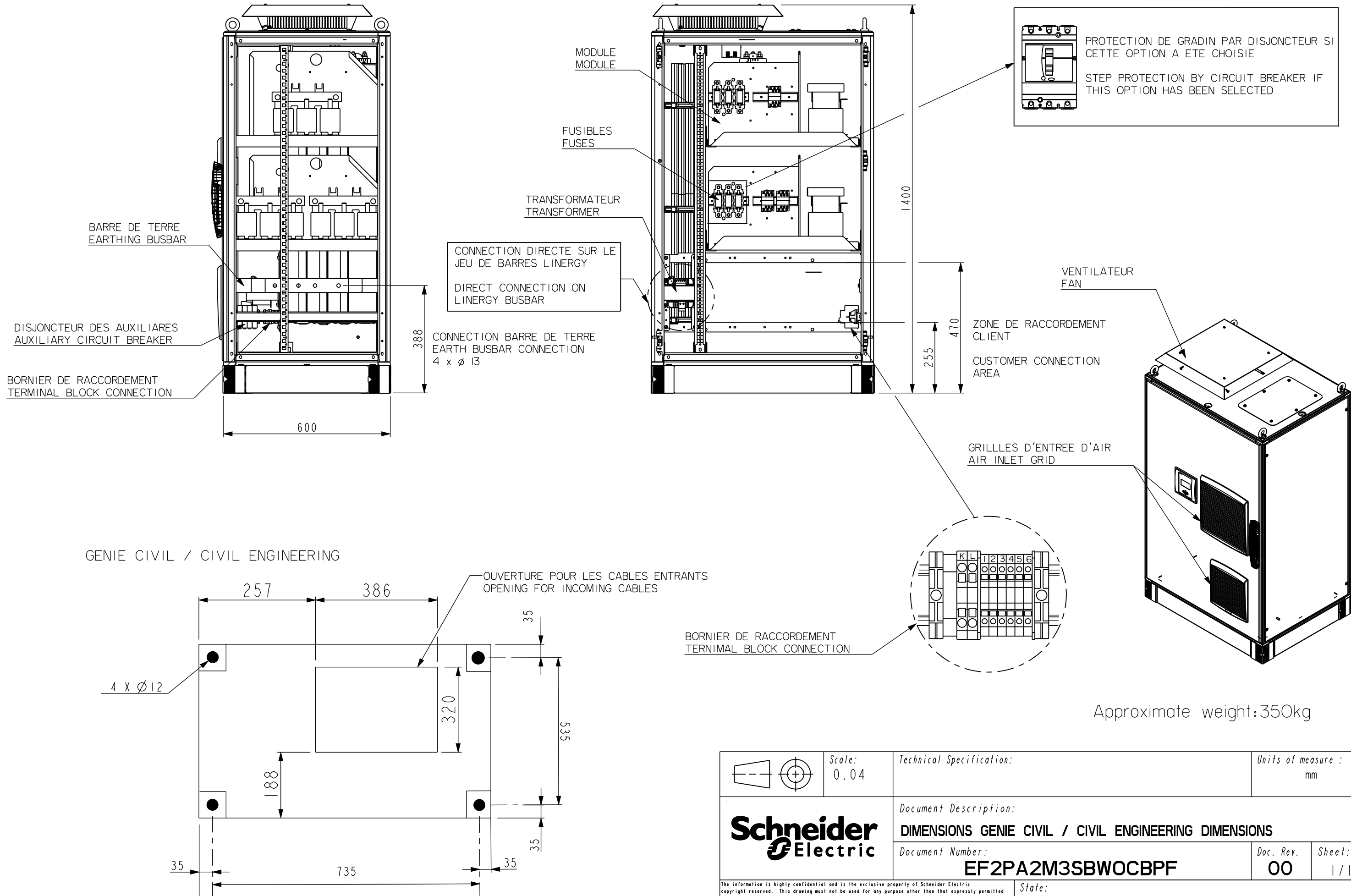
D

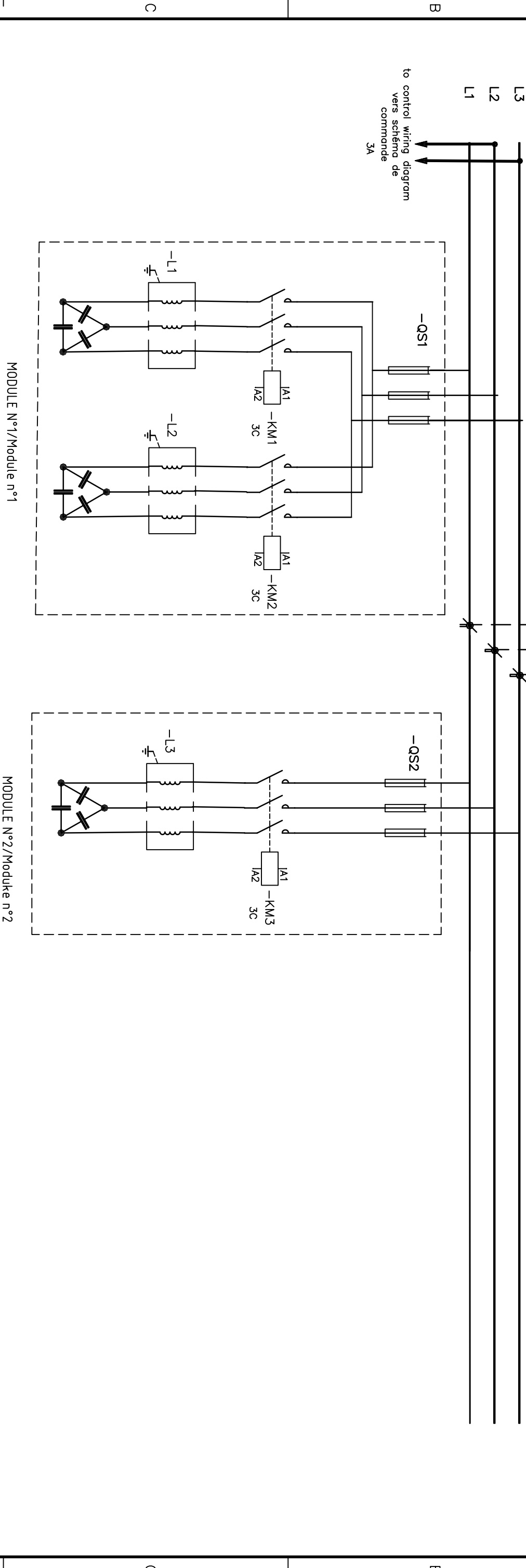
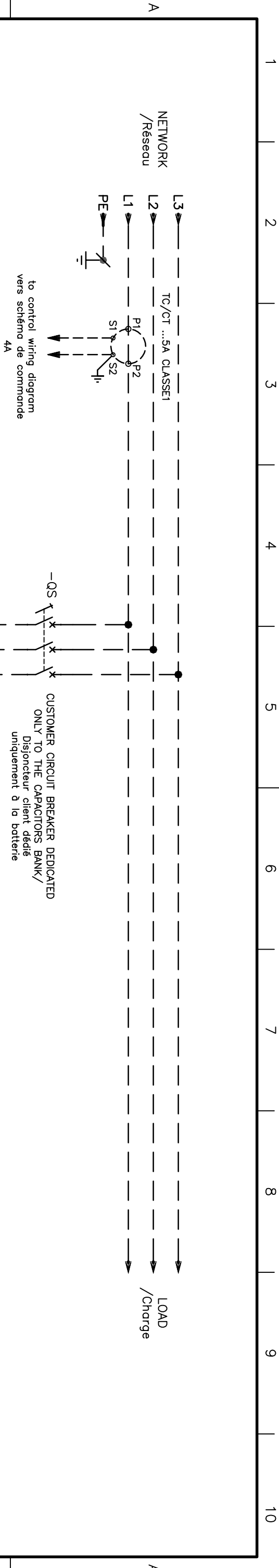
A

B

C

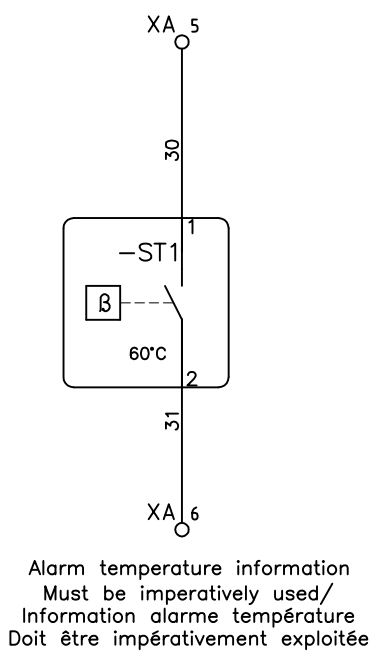
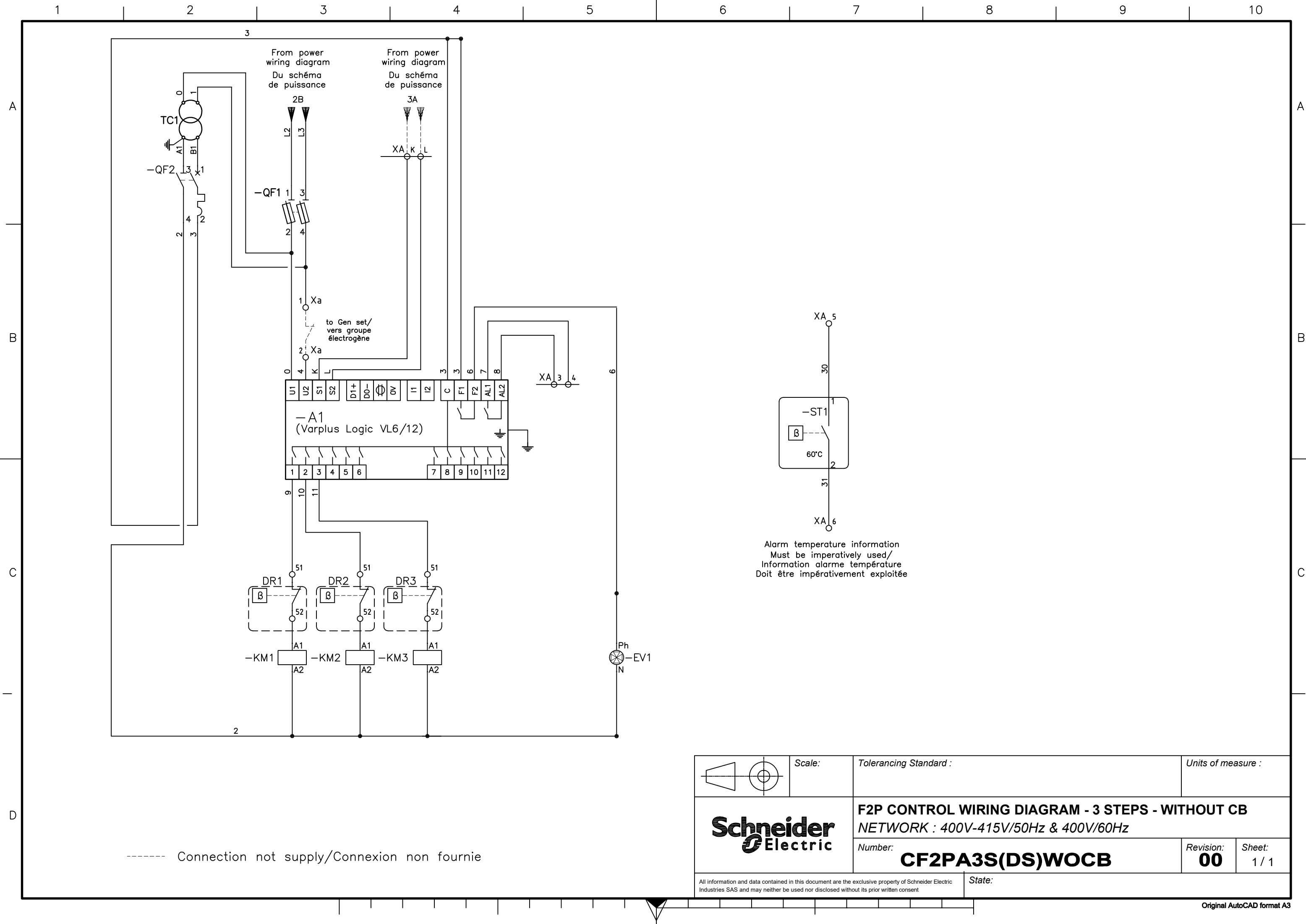
D



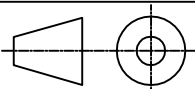


|                                                                                                                                                                                              |        |                                       |                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------|--------------------|
|                                                                                                                                                                                              | Scale: | Tolerancing Standard :                | Units of measure : |
|                                                                                                                                                                                              |        | F2P auto P wiring diag W/O CB 3 steps |                    |
| Number: PF2PA3S(DS)WOCBSPF                                                                                                                                                                   |        | Revision: 00                          | Sheet: 1 / 1       |
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| State:                                                                                                                                                                                       |        |                                       |                    |

----- Connection not supply/Connexion non fournie



----- Connection not supply/Connexion non fournie

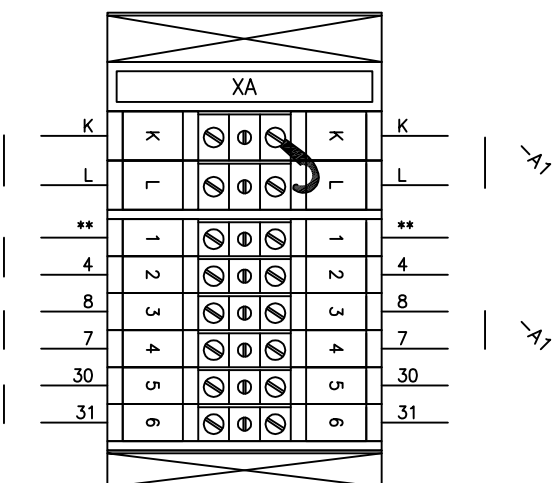
|                                                                                                                                                                                             |  |                                                                                           |  |                        |  |                    |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------|--|------------------------|--|--------------------|--------------|
|                                                                                                        |  | Scale:                                                                                    |  | Tolerancing Standard : |  | Units of measure : |              |
|                                                                                                        |  | F2P CONTROL WIRING DIAGRAM - 3 STEPS - WITHOUT CB<br>NETWORK : 400V-415V/50Hz & 400V/60Hz |  |                        |  |                    |              |
|                                                                                                                                                                                             |  | Number: CF2PA3S(DS)WOCB                                                                   |  |                        |  | Revision: 00       | Sheet: 1 / 1 |
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# CUSTOMER TERMINAL BLOCK

## Bornier client

Клеммный блок для внешних присоединений

VLVAW1N/VLVAW2N/VLVAW3N  
 /VLVAF5N/VLVAF6P  
 VLVAF2P/VLVAF3P/VLVAF5P



\*\*  
 = 1 for VL6 VLVAW1N-VLVAW2N-VLVAW3N-VLVAF4P/  
 = 1 для контроллеров VL6 VLVAW1N-VLVAW2N-VLVAW3N-VLVAF4P  
 = 1 for VL12 VLVAF5N-VLVAF6P /  
 = 1 для контроллеров VL12 VLVAF5N-VLVAF6P

PFC current measure/Mesure courant régulateur/  
 Измерение тока  
 Gen set/ Groupe électrogène  
 Генераторная установка  
 PFC alarm/Alarme température  
 Сигнализация по температурному режиму  
 Alarm temperature information/Information alarme température

|                                                                                     |            |                        |  |                    |           |
|-------------------------------------------------------------------------------------|------------|------------------------|--|--------------------|-----------|
|  | Scale:     | Tolerancing Standard : |  | Units of measure : |           |
| CUSTOMER TERMINAL BLOCKS                                                            |            |                        |  |                    |           |
| BORNIER CLIENT                                                                      |            |                        |  |                    |           |
| Number:                                                                             | S1B9989700 |                        |  |                    | Revision: |
|                                                                                     |            |                        |  | State:             | Sheet:    |
|                                                                                     |            |                        |  |                    | 1 / 1     |