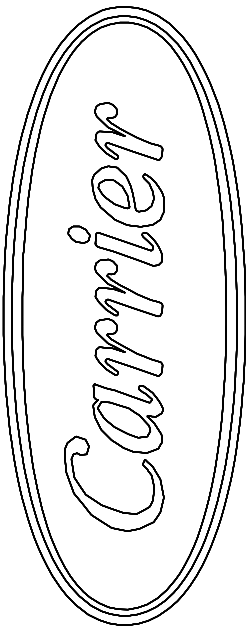


| SHEET<br>FEUILLE | DESCRIPTION<br>DESCRIPTION                                    |
|------------------|---------------------------------------------------------------|
| 2                | COMPONENT DESIGNATION<br>DESIGNATION DES COMPOSANTS           |
| 3                | CUSTOMER CONTROL CONNECTIONS<br>RACCORDEMENTS CONTRÔLE CLIENT |
| 4                | POWER SUPPLY<br>ALIMENTATION                                  |
| 5                | POWER CIRCUIT, CIRCUIT A<br>CIRCUIT PUISSANCE, CIRCUIT A      |
| 6                | CONTROL WIRING<br>REGULATION                                  |
| 7                | SITTING<br>IMPLANTATION                                       |



WIRING DIAGRAM  
SCHEMA ELECTRIQUE

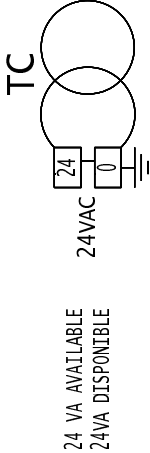
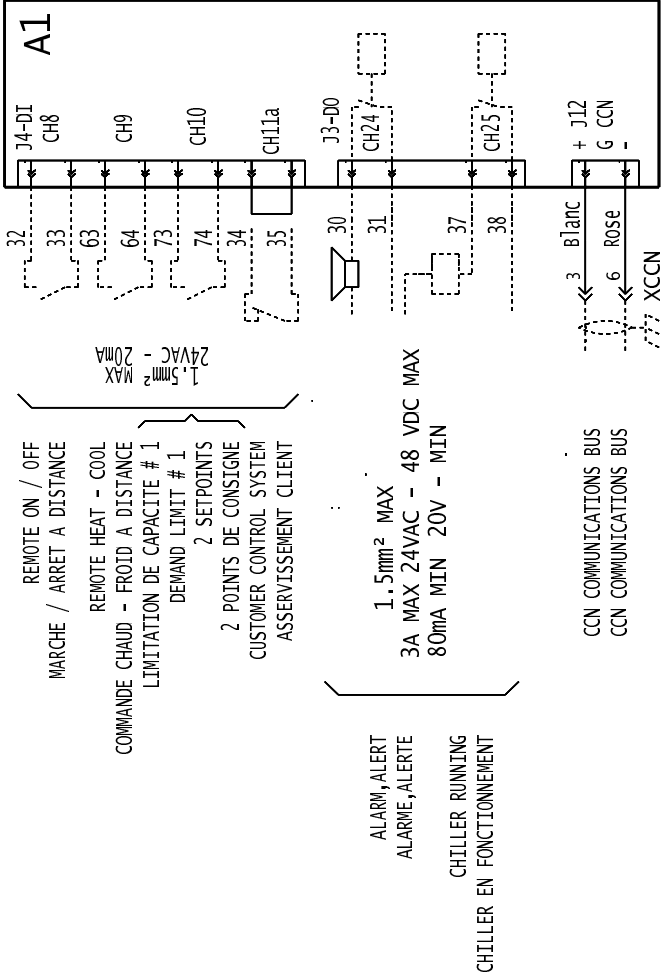
UNIT TYPE                    30RB-040DR-----  
TYPE D'UNITE  
ORDER NUMBER            . / .  
NUMERO DE COMMANDE

| OPT_NR<br>NO OPTION | DESCRIPTION<br>DESCRIPTION                                                         |
|---------------------|------------------------------------------------------------------------------------|
| DIGIT_10(R)         | Hydronic module without expansion tank<br>Module hydraulique sans vase d expansion |

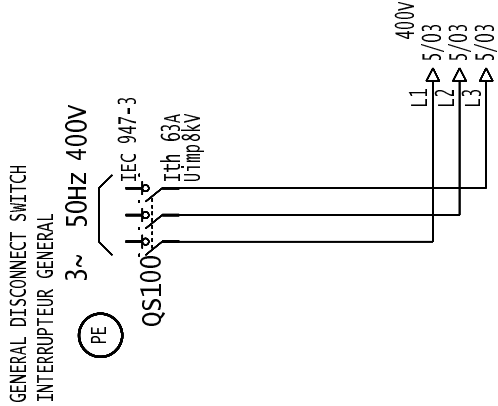
| IND | MODIFICATION DESCRIPTION | MODIF NR | NAME | DATE |
|-----|--------------------------|----------|------|------|
|-----|--------------------------|----------|------|------|

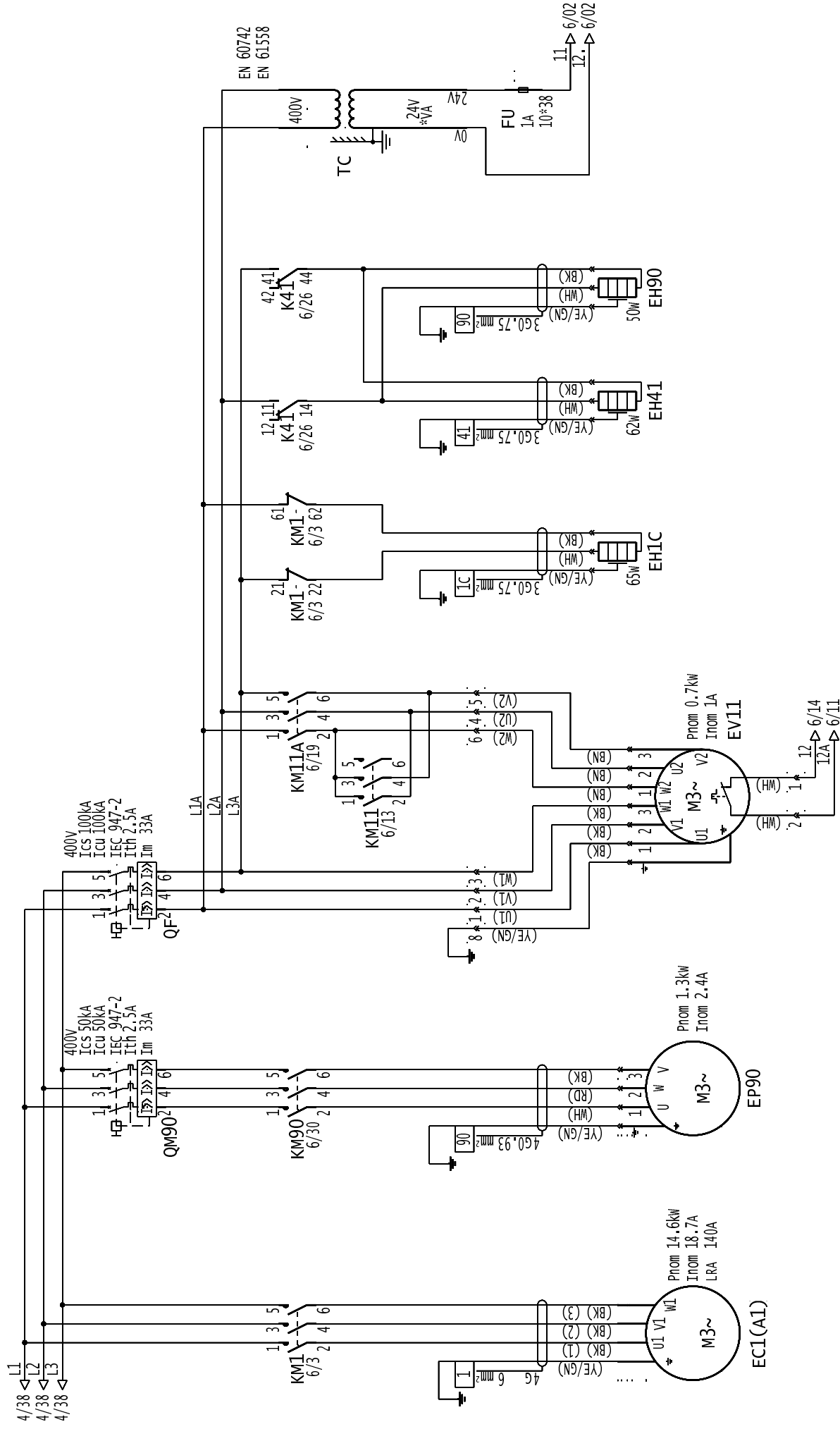
| NAME<br>NOM    | CARRIER | DATE<br>DATE | SHEET<br>FEUILLE |
|----------------|---------|--------------|------------------|
| 00DCG005654500 |         | 09/09/2016   | 1                |
|                |         |              | A                |

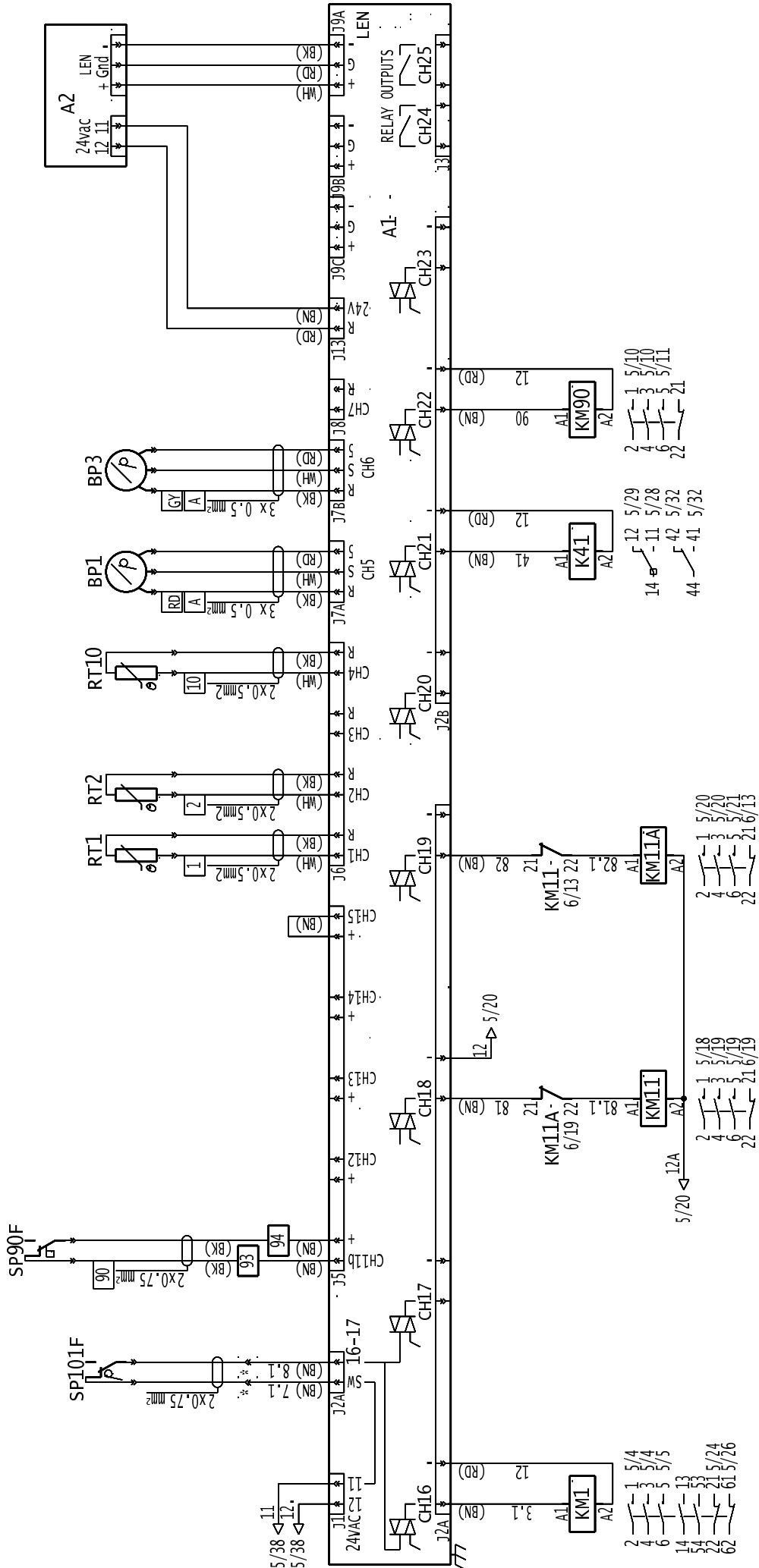
|         |                                              |         |                                                 |
|---------|----------------------------------------------|---------|-------------------------------------------------|
| A1      | MICROPROCESSOR-BASED MASTER MODULE           | A1      | MODULE MAITRE A MICROPROCESSEUR                 |
| A2      | DISPLAY                                      | A2      | AFFICHEUR                                       |
| BP1     | DISCHARGE PRESSURE TRANSDUCER, CIRCUIT A     | BP1     | TRANSDUCTEUR DE PRESSION REFOULEMENT CIRCUIT A  |
| BP3     | SUCTION PRESSURE TRANSDUCER. CIRCUIT A       | BP3     | TRANSDUCTEUR DE PRESSION ASPIRATION CIRCUIT A   |
| EC1(A1) | COMPRESSOR 1, CIRCUIT A                      | EC1(A1) | COMPRESSEUR 1 CIRCUIT A                         |
| EH1C    | COMPRESSOR 1 CRANKCASE HEATER, CIRCUIT A     | EH1C    | RECHAUFFEUR DE CARTER COMPRESSEUR 1 CIRCUIT A   |
| EH41    | EVAPORATOR HEATER                            | EH41    | RECHAUFFEUR EVAPORATEUR                         |
| EH90    | EVAPORATOR WATER CIRCUIT HEATING ELEMENT     | EH90    | RECHAUFFEUR CIRCUIT D'EAU EVAPORATEUR           |
| EP90    | WATER PUMP                                   | EP90    | POMPE A EAU                                     |
| EV11    | CONDENSER FAN, CIRCUIT A                     | EV11    | VENTILATEUR CONDENSEUR CIRCUIT A                |
| FU      | PROTECTION CONTROL CIRCUIT FUSE              | FU      | FUSIBLE DE PROTECTION CIRCUIT CONTROLE          |
| K41     | EVAPORATOR HEATER CONTROL RELAY              | K41     | RELAIS COMMANDE RECHAUFFEUR EVAPORATEUR         |
| KM1     | CONTACTOR, COMPRESSOR 1, CIRCUIT A           | KM1     | CONTACTEUR COMPRESSEUR 1 CIRCUIT A              |
| KM11    | CONDENSER FAN CONTACTOR, CIRCUIT A           | KM11    | CONTACTEUR VENTILATEUR CONDENSEUR CIRCUIT A     |
| KM11A   | CONDENSER FAN AUXILIARY CONTACTOR            | KM11A   | CONTACTEUR AUXILIAIRE VENTILATEUR CONDENSEUR    |
| KM90    | EVAPORATOR PUMP CONTACTOR                    | KM90    | CONTACTEUR POMPE EVAPORATEUR                    |
| PE      | GROUND                                       | PE      | TERRE                                           |
| QF      | CIRCUIT BREAKER, CONTROL CIRCUIT             | QF      | DISJONCTEUR CIRCUIT CONTROLE                    |
| QM90    | EVAPORATOR WATER PUMP CIRCUIT BREAKER        | QM90    | DISJONCTEUR PROTECTION POMPE A EAU EVAPORATEUR  |
| QS100   | GENERAL DISCONNECT SWITCH                    | QS100   | INTERRUPTEUR GENERAL                            |
| RT1     | EVAPORATOR LEAVING WATER TEMPERATURE SENSOR  | RT1     | SONDE DE TEMPERATURE SORTIE EAU EVAPORATEUR     |
| RT10    | AMBIENT OR OUTSIDE AIR TEMPERATURE SENSOR    | RT10    | SONDE DE TEMPERATURE AIR AMBIANT OU EXTERIEUR   |
| RT2     | EVAPORATOR ENTERING WATER TEMPERATURE SENSOR | RT2     | SONDE DE TEMPERATURE ENTREE EAU EVAPORATEUR     |
| SP101F  | HIGH PRESSURE SAFETY SWITCH, CIRCUIT A       | SP101F  | PRESSOSTAT HAUTE PRESSION DE SECURITE CIRCUIT A |
| SP90F   | EVAPORATOR PUMP FLOW SWITCH                  | SP90F   | DETECTEUR DEBIT EAU POMPE EVAPORATEUR           |
| TC      | CONTROL CIRCUIT TRANSFORMER                  | TC      | TRANSFORMATEUR CIRCUIT CONTROLE                 |



|                                                                                                                                                         |        |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|
| POWER INPUT OF UNIT UNDER MAXIMUM LOAD CONDITIONS<br>PUISSANCE ABSORBEE DE L'UNITE AUX CONDITIONS MAXIMALES                                             | 18.7   | kw     |
| MAXIMUM OPERATING CURRENT AT MINIMUM VOLTAGE (360V)<br>INTENSITE DE FONCTIONNEMENT MAXIMUM A TENSION MINIMUM (360V)                                     | 41.9   | A      |
| MAXIMUM CURRENT ON START-UP<br>INTENSITE MAXIMUM DE DEMARRAGE                                                                                           | 178.25 | A      |
| CURRENT DRAWN AT NOMINAL CONDITIONS (400V)<br>INTENSITE DE FONCTIONNEMENT NOMINALE (400V)                                                               | 28.15  | A      |
| MAXIMUM OPERATING CURRENT AT NOMINAL VOLTAGE (400V)<br>INTENSITE DE FONCTIONNEMENT MAXIMUM A TENSION NOMINALE (400V)                                    | 32.5   | A      |
| SHORT TERM SHORT-CIRCUIT STABILITY (1s) WITHOUT FUSE (RMS VALUE / PEAK)<br>TENUE COURT CIRCUIT COURTE DUREE (1s) SANS FUSIBLE (VALEUR EFFICACE / CRETE) | 3.4    | ka     |
| MAXIMUM WIRE SIZE<br>SECTION DE CABLE MAXIMUM                                                                                                           | 1 x 10 | mm²PVC |







CONTROL WIRING  
REGULATION

