| Revisione | Foglio | Oggetto | Data | Responsabile |
|---|---|---|---|---|
| A | 1 | AGGIUNTE CONNESSIONI LAN | 03/10/2005 | POLIDO |

# CARATTERISTICHE ELETTRICHE
# ELECTRIC CHARACTERISTIC

| SERIES | THX...pCO2 |
|---|---|
| MODELL | THX056-PCO2<br>THX073-PCO2<br>THX090-PCO2<br>THX105-PCO2<br>THX120-PCO2<br>THX140-PCO2<br>400V+N |

## ELECTRIC CHARACTERISTIC

| MODELL | I NOM. | |
|---|---|---|
| | | |

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| A | AGGIUNTE CONNESSIONI LAN | 03/10/2005 | POLIDO | DATE | 06/09/2005 | | | | | | |
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| | | | | CONT. | P.M. | | | | | HF620C0379 | SHEET 1 OF 14 |
| REV. | MODIFIED | DATE | SIGN. | APPR. | M.M. | SOST. IL: | SOST. DA: | ORIGINE: | | | CONTINUE 2 |

| Simbol | Description | Note | Position |
|---|---|---|---|
| AP | PRESSOSTATO DI ALTA<br>HIGH PRESSURE P-STAT<br>PRESSOSTAT HAUTE PRESSION<br>DRUCKSCHALTER, HOCHDRUCK<br>PRESOSTATO DE ALTA | | 5/B04 |
| KA3 | RELE' ALTA<br>HI-PRESSURE RELAIS<br>RELAIS HAUTE PRESSION<br>RELAIS HOCHDRUCK<br>RELE DE ALTA | | 5/E04 |
| KM1 | CONTATTORE MOTOVENTILATORE<br>FAN MOTOR CONTECTOR<br>CONTACTEUR VENTILATEUR<br>VENTILATOR SCHUETZ<br>CONTACTOR DEL MOTOVENTILADOR | | 5/E04 |
| KM6 | RISCALDAMENTO ELETTRICO<br>EL. HEATERS<br>CHAUFFAGE ELETTRIQUE<br>ELETR. HAIZUNG<br>RESISTENCIAS ELETRICAS | | 3/C03 |
| C1 | COMPRESSORE<br>COMPRESSOR<br>COMPRESSEUR<br>KOMPRESSOR<br>COMPRESOR | | |
| TR | TRASFORMATORE<br>TRANSFORMER<br>TRANSFORMATEUR<br>TRANSFORMATOR<br>TRANSFORMADOR | | 3/C06 |
| QS | INTERRUTTORE GENERALE<br>MAIN SWITCH<br>INTERRUPTEUR GENERAL<br>HAUPTSCHALTER<br>INTERRUPTOR GENERAL | | 3/A02 |
| M1 | MOTOVENTILATORE CONDENSANTE<br>CONDENSER FAN MOTOR<br>MOTEUR VENTILATEUR DE COND.<br>KONDENSATOR-LUEFTER<br>MOTOVENTILADOR CONDENSADORA | | |
| M2 | MOTOVENTILATORE EVAPORANTE<br>EVAP. FAN MOTOR<br>MOTEUR VENTILATEUR DE EVAP.<br>EVAP.-LUEFTER<br>MOTOVENTILADOR EVAPORADORA | | 4/E05 |
| | | | |
| CN2 | CONDENSATORE<br>CAPACITOR<br>CONDENSATEUR<br>KONDENSATOR<br>CONDENSADORE | | |
| CN1 | CONDENSATORE<br>CAPACITOR<br>CONDENSATEUR<br>KONDENSATOR<br>CONDENSADORE | | |

| Simbol | Description | Note | Position |
|---|---|---|---|
| KA1 | RELE PRESENZA TENSIONE | | |
| SR1 | SERRANDA<br>DAMPER<br>REGISTRE<br>MOTORISIERTE<br>COMPUERTA | | 6/C02 |
| FS1 | PRESSOSTATO FLUSSO ARIA<br>AIR FLOW PRESSURE SWITCH<br>PRESSOST. D'ENCRASSEMENT DE FILTRE<br>DRUCKSCHALTER NIEDERDRUCK<br>PRESOSTATO DE BAJA | | 6/A03 |
| TP1 | TERMOSTATO SICUREZZA RISCALDAMENTO<br>HEATING SAFETY THERMOSTAT<br>THERMOSTAT DE SECURITE' CHAUFFAGE<br>THERMOSTATE ELEKTROHEIZUNG<br>TERMOSTATO DE SEGURIDAD DE LAS RESISTENCIAS | | 4/B05 |
| P1 | PRESSIONE CONDENSAZIONE<br>CONDESING PRESSION SENSOR<br>SONDE DU PRESSION DE CONDENSATION<br>KONDENSATIONSDRUCK-FUEHLER<br>SONDA PRESION CONDENSACION | | 6/B06 |
| SA | TEMPERATURA AMBIENTE INTERNO SHELTER<br>INTERNAL AIR TEMPERATURE SENSOR<br>SONDE TEMPERATURE D'AIR EINTERIOR<br>AUSSERER LUFTEMP.-FILTER<br>SONDA DE TEMPERATURA DE LA DESCARGA DE AIRE | | 6/B05 |
| SM | TEMPERATURA ARIA IN MANDATA<br>DISCHARGE AIR TEMPERATURE<br>SONDE DE TEMPERATURE<br>ZULUFTTEMMPERATUR<br>TEMP. DE LA DISCARGA DE AIRE | | 6/B07 |
| SE | TEMPERATURA ARIA ESTERNA<br>OUTDOOR AIR SENSOR<br>SONDE D'AIR EXTERNE<br>AUSSENLUFTUEHLER<br>SONDA DE AIRE EXTERNA | | 6/B08 |
| BP | PRESSOSTATO DI BASSA<br>LOW PRESSURE P-STAT<br>PRESSOSTAT BASSE PRESSION<br>DRUCKSCHALTER NIEDEDRUCK<br>PRESOSTATO DE BAJA | | |
| A1 | REGOLATORE DI VELOCITA'<br>SPEED CONTROLLER<br>REGULATEUR DE VITESSE<br>VENTILATOR/DREHZAHLREGLER<br>REGULADOR VELOCIDAD | | |
| A2 | REGOLATORE DI VELOCITA'<br>SPEED CONTROLLER<br>REGULATEUR DE VITESSE<br>VENTILATOR/DREHZAHLREGLER<br>REGULADOR VELOCIDAD | | |
| | | | |

| Simbol | Description | Note | Position |
|---|---|---|---|
| QF2 | PROT. VENTILATORE EVAP.<br>EVAP. VENTILATOR PROTECTION<br>PROTECTION DU VENTILATEUR DE EVAP.<br>EVAP. VENTILATOR-SCHUTZ 1<br>PROTECCION DE VENTILADOR EVAP. | | 4/B05 |
| QF1 | FUS. RES.<br>TRACE HEATING FUSE<br>TRACEUR ELECTRIQUE FUSIBILE<br>ELEKTROHEIZUNG SICHERUNG<br>FUSIBILE RES. | | 3/B05 |
| | | | |
| FS2 | PRESSOSTATO FILTRI SPORCHI<br>CLOGGED FILTER PRESSURE SWITCH<br>PRESSOSTAT D'ENCRASSEMENT DE FILTRE<br>DRUCKSCHALTER. FILTERVERSCHMUTZUNG<br>PRESSOSTATO FILTROS SUCIOS | | 6/A03 |
| R1 | RISCALDAMENTO ELETTRICO<br>EL. HEATERS<br>CHAUFFAGE ELETTRIQUE<br>ELETR. HAIZUNG<br>RESISTENCIAS ELETRICAS | | 3/E05 |
| TSR | THERMOSTAT FOR FORCING THE UNITS<br>IN OPERATION (LAN) | | |
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| REV. | MODIFIED | DATE | SIGN. | APPR. | M.M. | SOST. IL: | SOST. DA: | ORIGINE: | HF620C0379 | SHEET 2 OF 14 |
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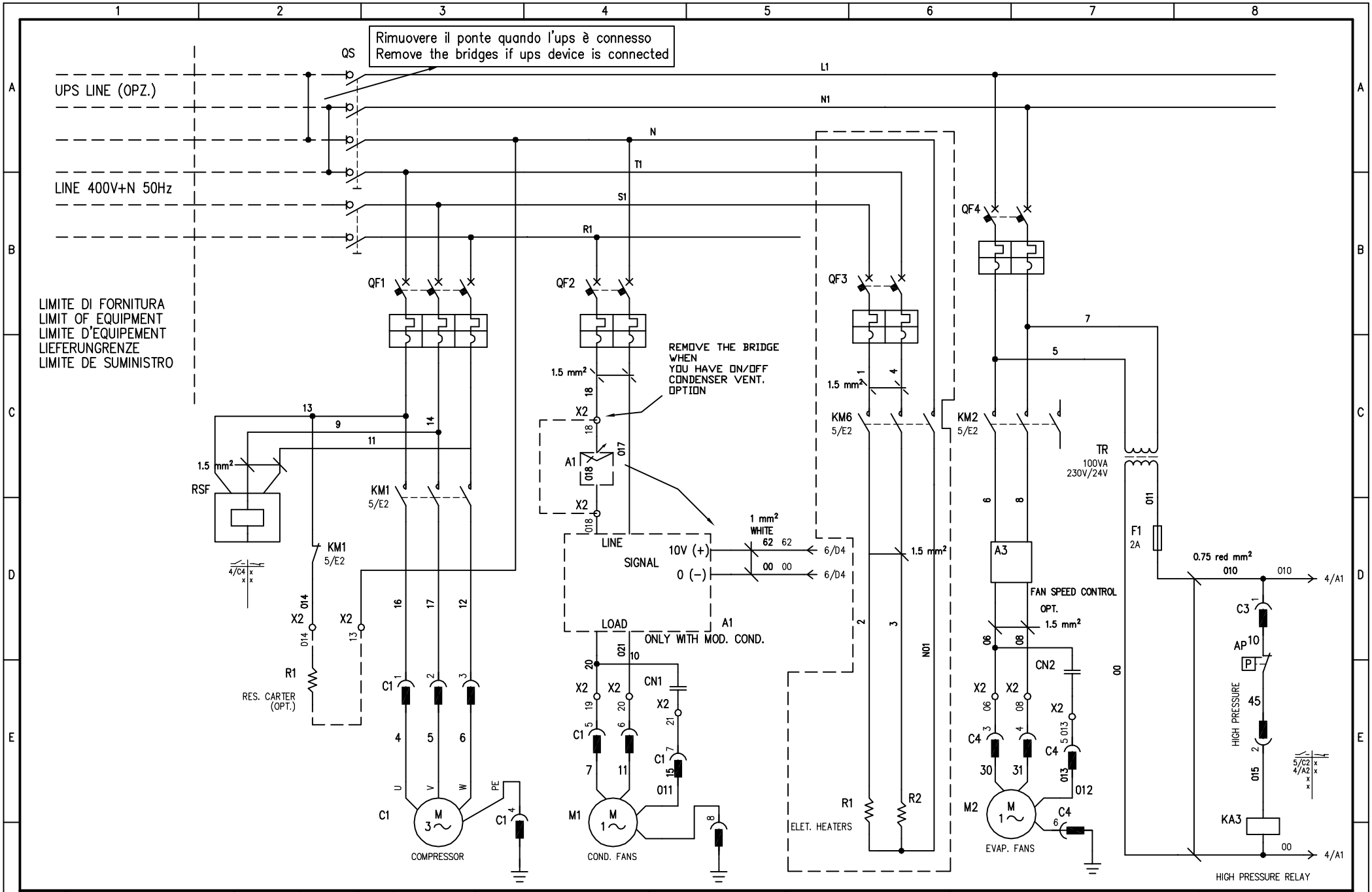


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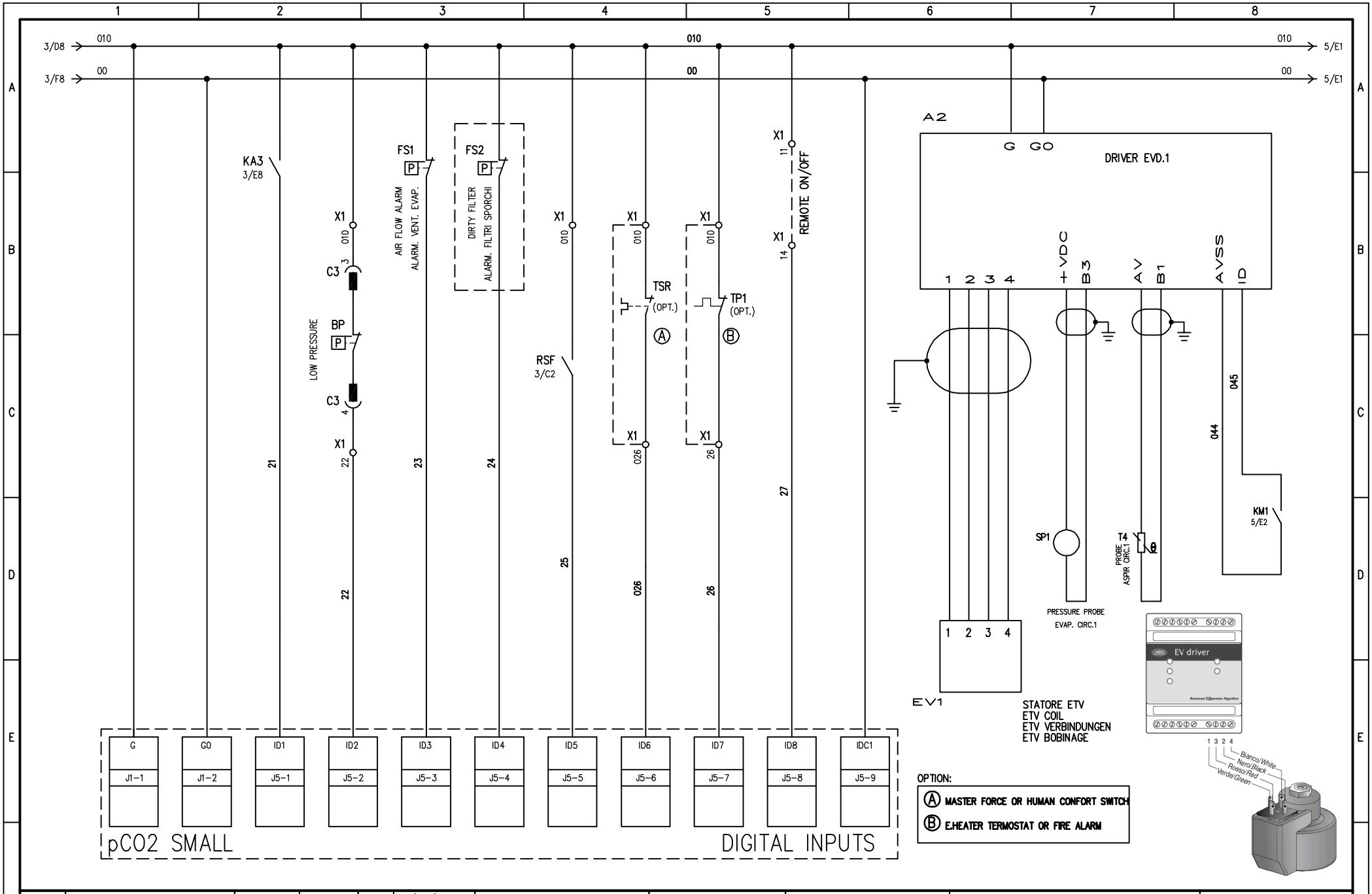


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| REV. | MODIFIED | DATE | SIGN. | APPR. | M.M. | SOST. IL: | SOST. DA: | ORIGINE: | HF620C0379 | SHEET 4 OF 14 |
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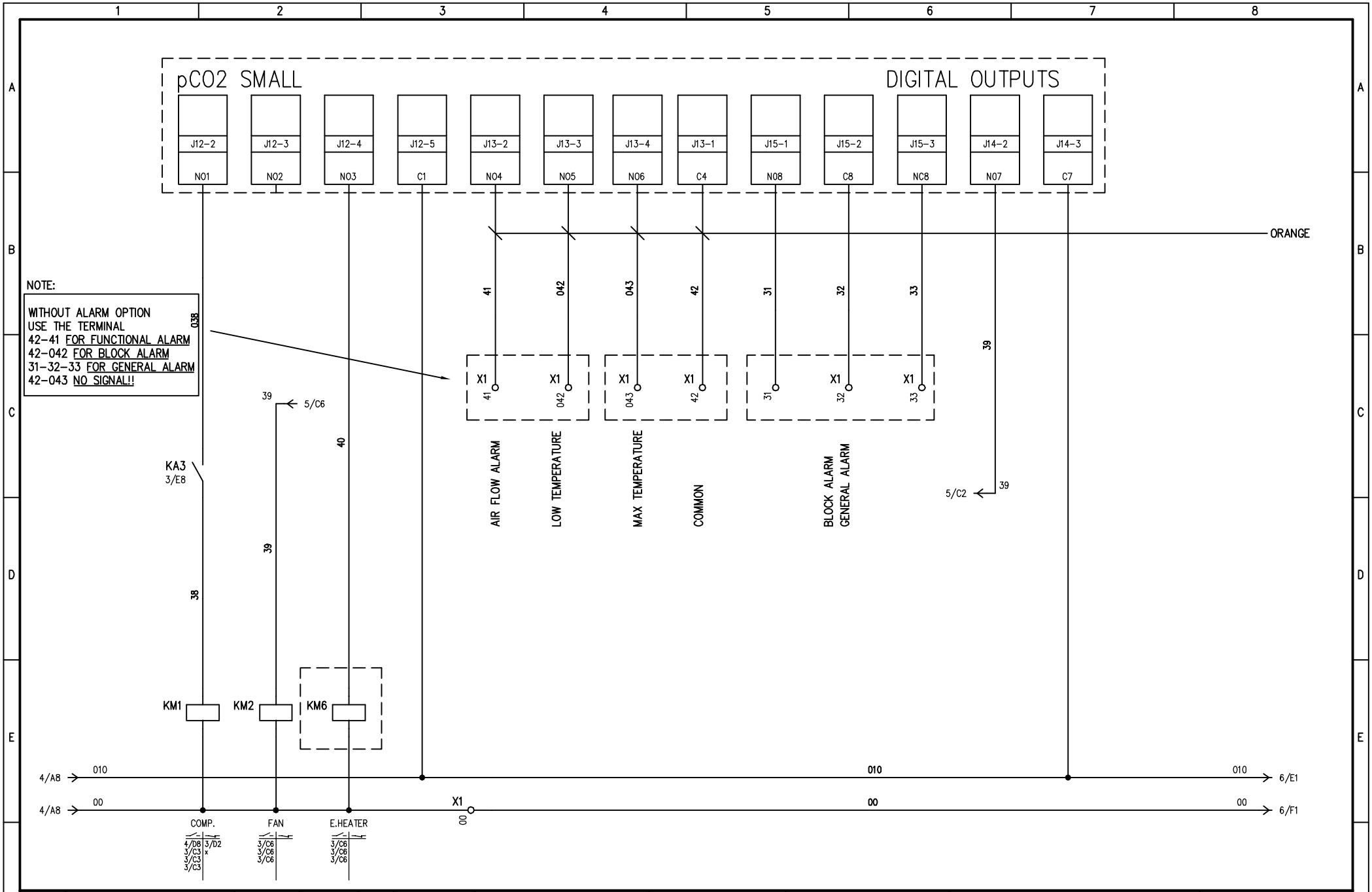


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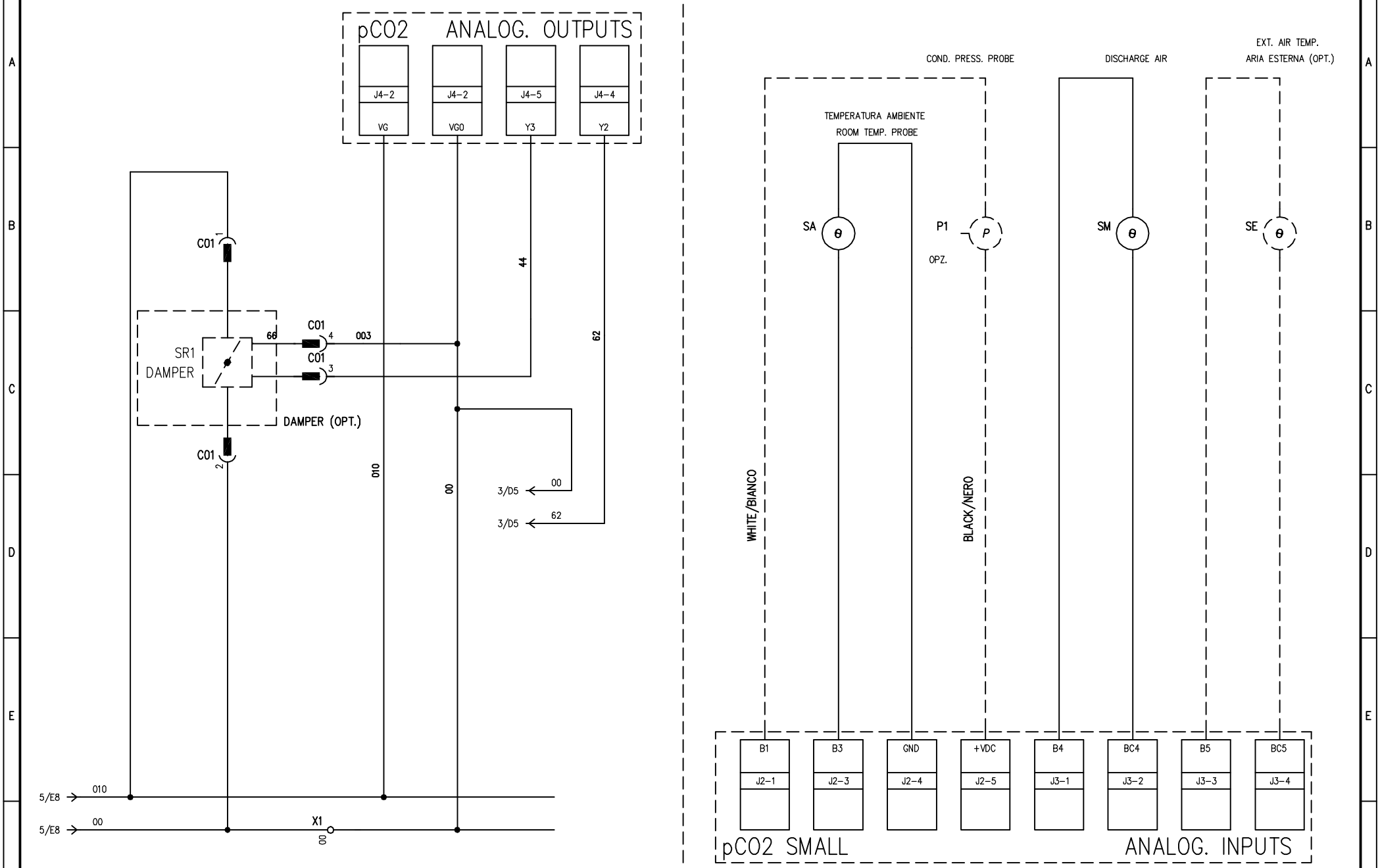


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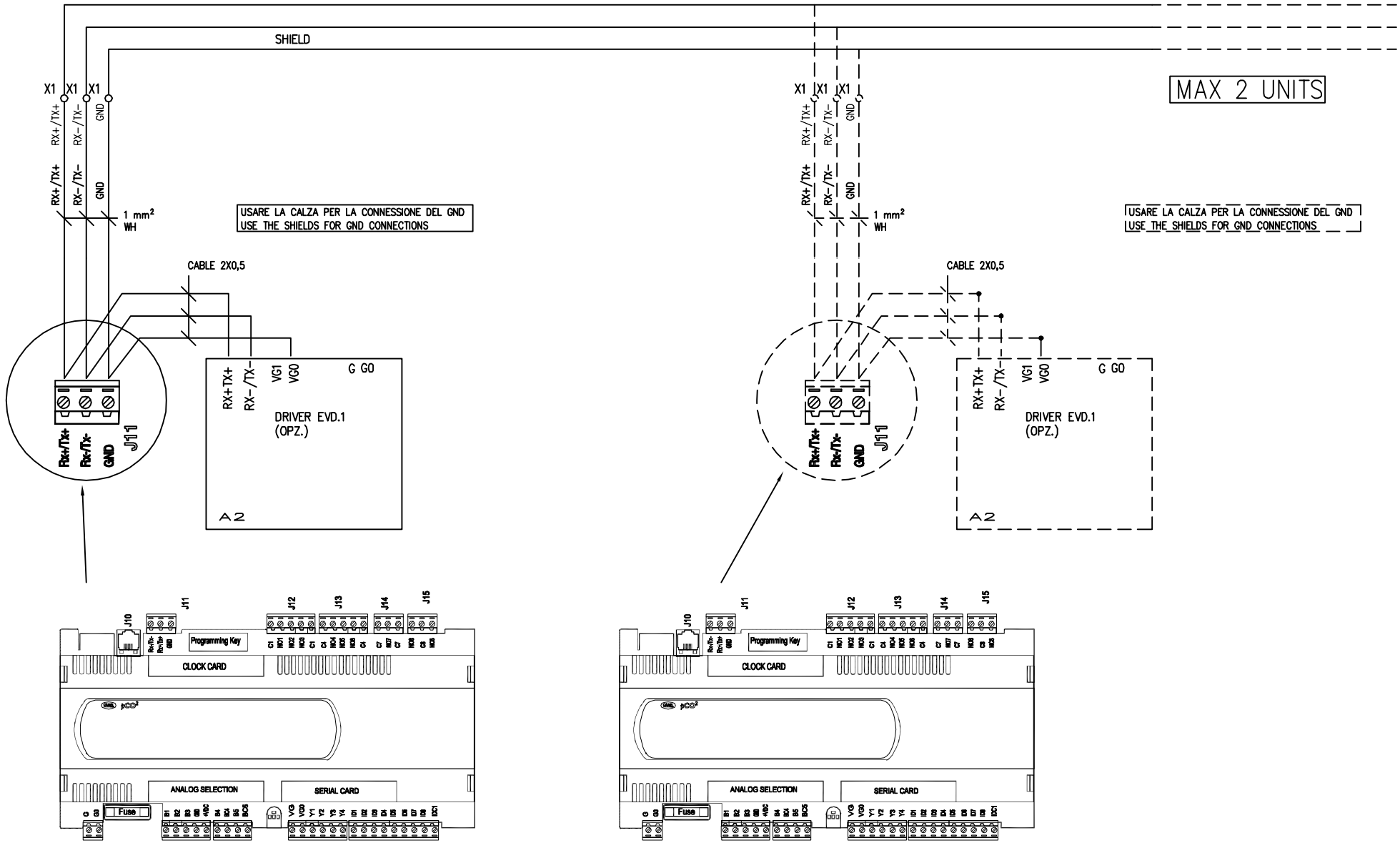
| REV. | MODIFIED | DATE | SIGN. | APPR. | M.M. | SOST. IL: | SOST. DA: | ORIGINE: | | | CONTINUE 7 |

# LAN CONNECTIONS

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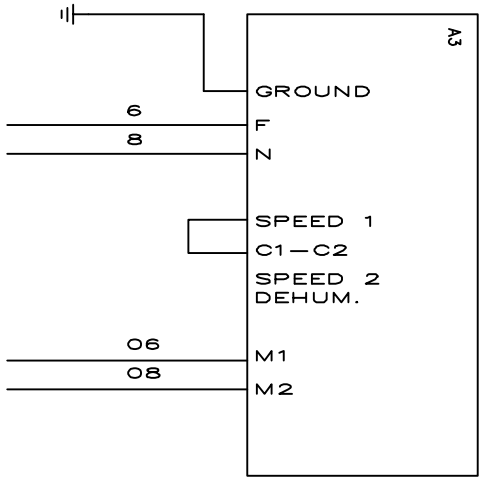
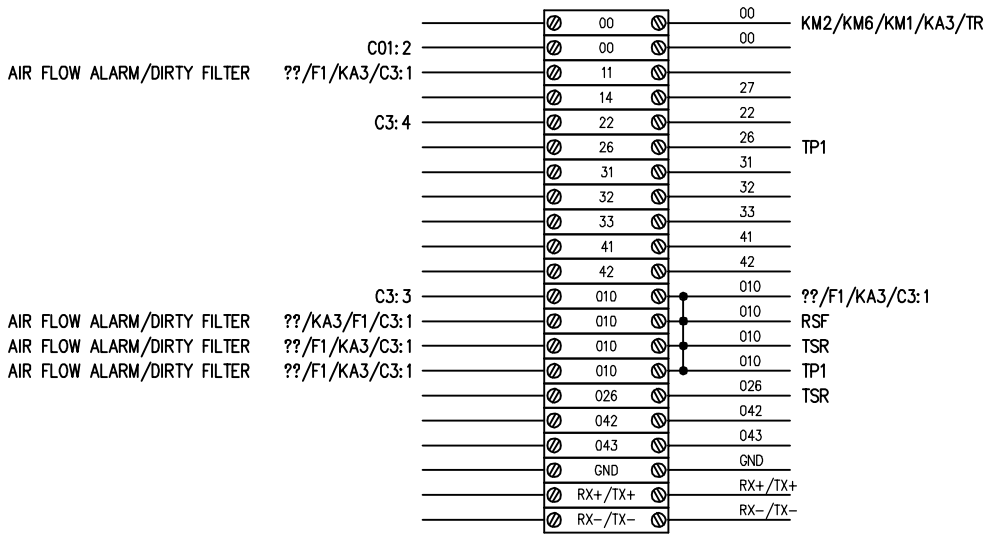
FANS SPEED CONTROL

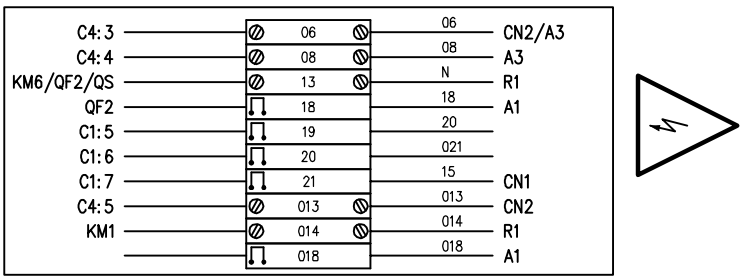



MORSETTIERA
TERMINAL STRIP
BORNIER
KLEMMLEISTE

X1




X2

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LENNOX

HF620C0379

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CONTINUE

C01

| Pin | Filo | Posizione |
|---|---|---|
| 1 | 010 | 6/B2 |
| 2 | 00 | 6/C2 |
| 3 | 44 | 6/C2 |
| 4 | 003 | 6/C2 |

C1

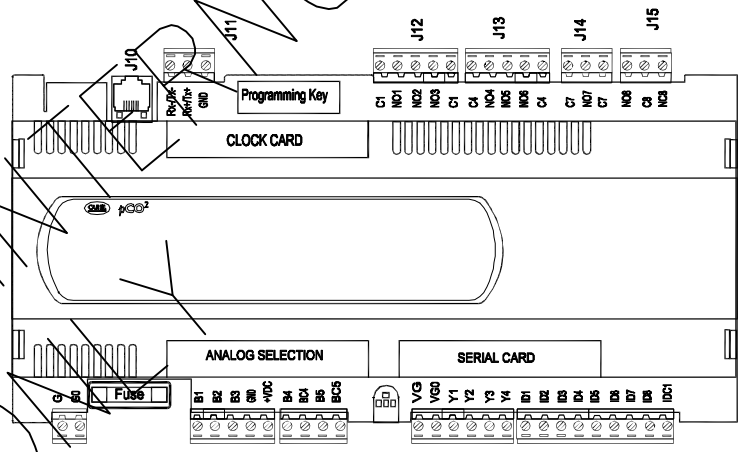
| Pin | Filo | Posizione |
|---|---|---|
| 1 | 16 | 3/E3 |
| 2 | 17 | 3/E3 |
| 3 | 12 | 3/E3 |
| 4 | | 3/E3 |
| 5 | 20 | 3/E4 |
| 6 | 021 | 3/E4 |
| 7 | 15 | 3/E4 |
| 8 | | 3/F5 |

C3

| Pin | Filo | Posizione |
|---|---|---|
| 1 | 010 | 3/D8 |
| 2 | 015 | 3/E8 |
| 3 | 010 | 4/B2 |
| 4 | 22 | 4/C2 |

C4

| Pin | Filo | Posizione |
|---|---|---|
| 3 | 06 | 3/E6 |
| 4 | 08 | 3/E7 |
| 5 | 013 | 3/E7 |
| 6 | | 3/F7 |




CONNECTORS PHOENIX SERIE COMBICON 5.08 mm. COLOR GREEN TYPE MSTB 2,5 :

| SIG. | POLES | TYPE | CODE | SIG. | POLES | TYPE | CODE |
|---|---|---|---|---|---|---|---|
| J1 | 2 | 2,5/2-ST | 17 57 01 9 | J11 | 3 | 2,5/3-ST | 17 57 02 2 |
| J2 | 5 | 2,5/5-ST | 17 57 04 8 | J12 | 5 | 2,5/5-ST | 17 57 04 8 |
| J3 | 4 | 2,5/4-ST | 17 57 03 5 | J13 | 5 | 2,5/5-ST | 17 57 04 8 |
| J4 | 6 | 2,5/6-ST | 17 57 05 1 | J14 | 3 | 2,5/3-ST | 17 57 02 2 |
| J5 | 9 | 2,5/9-ST | 17 57 08 0 | J15 | 3 | 2,5/3-ST | 17 57 02 2 |
| J9 | 3 | 2,5/3-ST | 17 57 02 2 | | | | |

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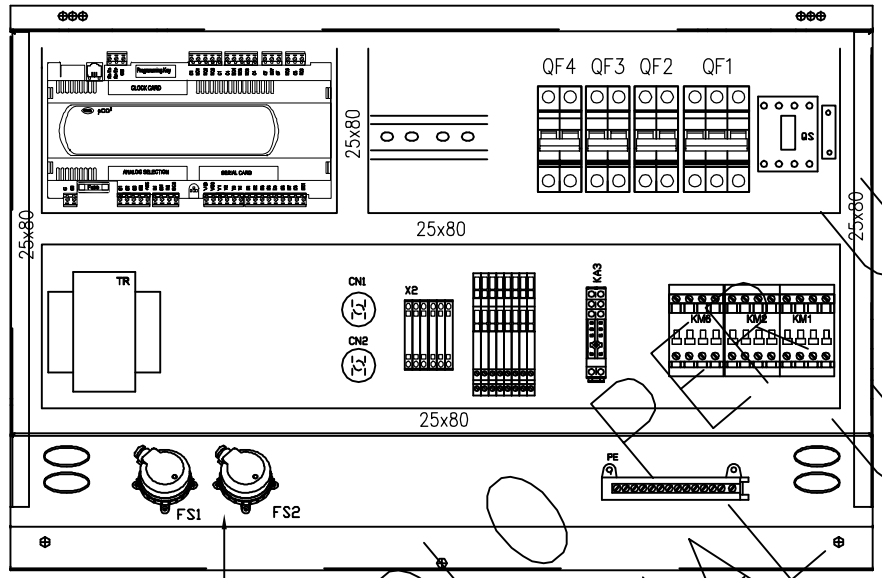
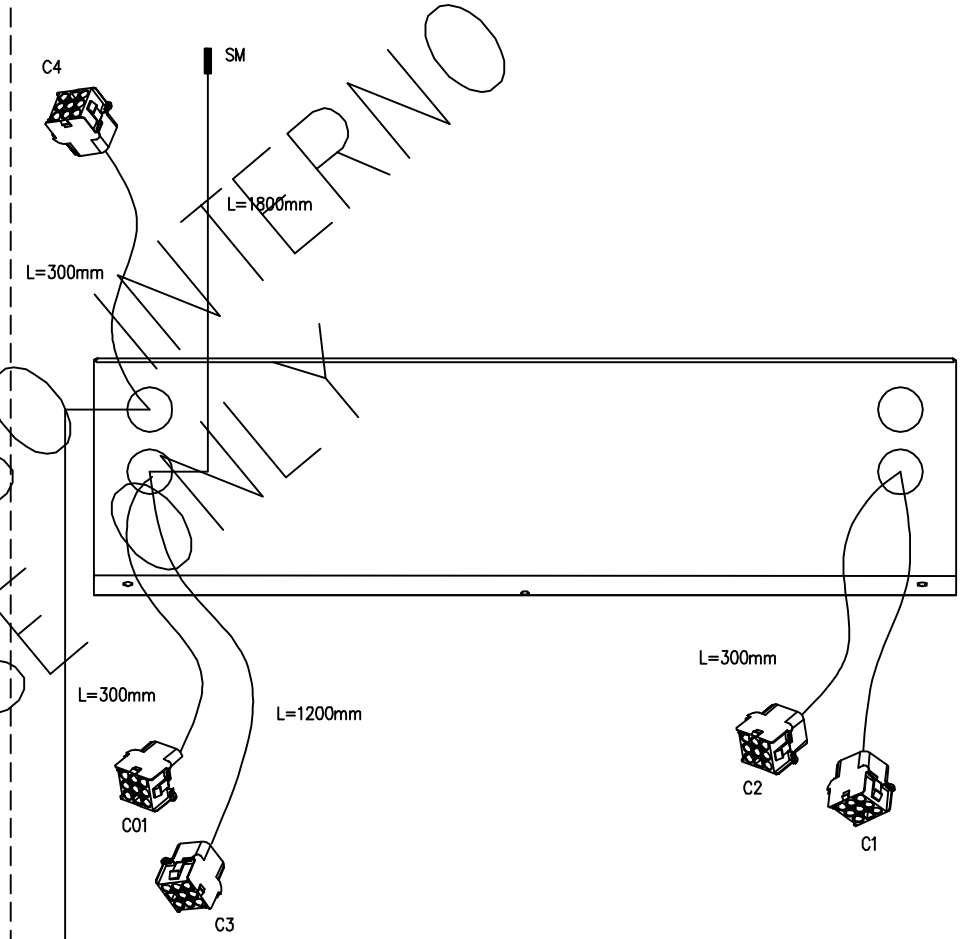
## LAYOUT 056..073




MONTARLI SEMPRE A 45°

## CAVI




SR1 4 FILI ROSSI 1MMQ IN GUAINA TRECCIATA
010/00/44/003 L=1100
TERM. PUNTALINI

SE L=1400

SA L=1400

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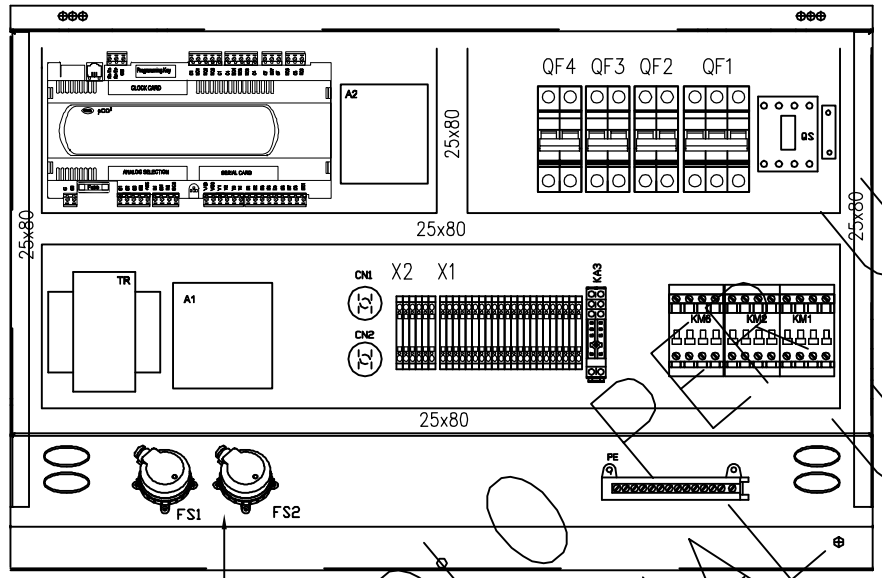
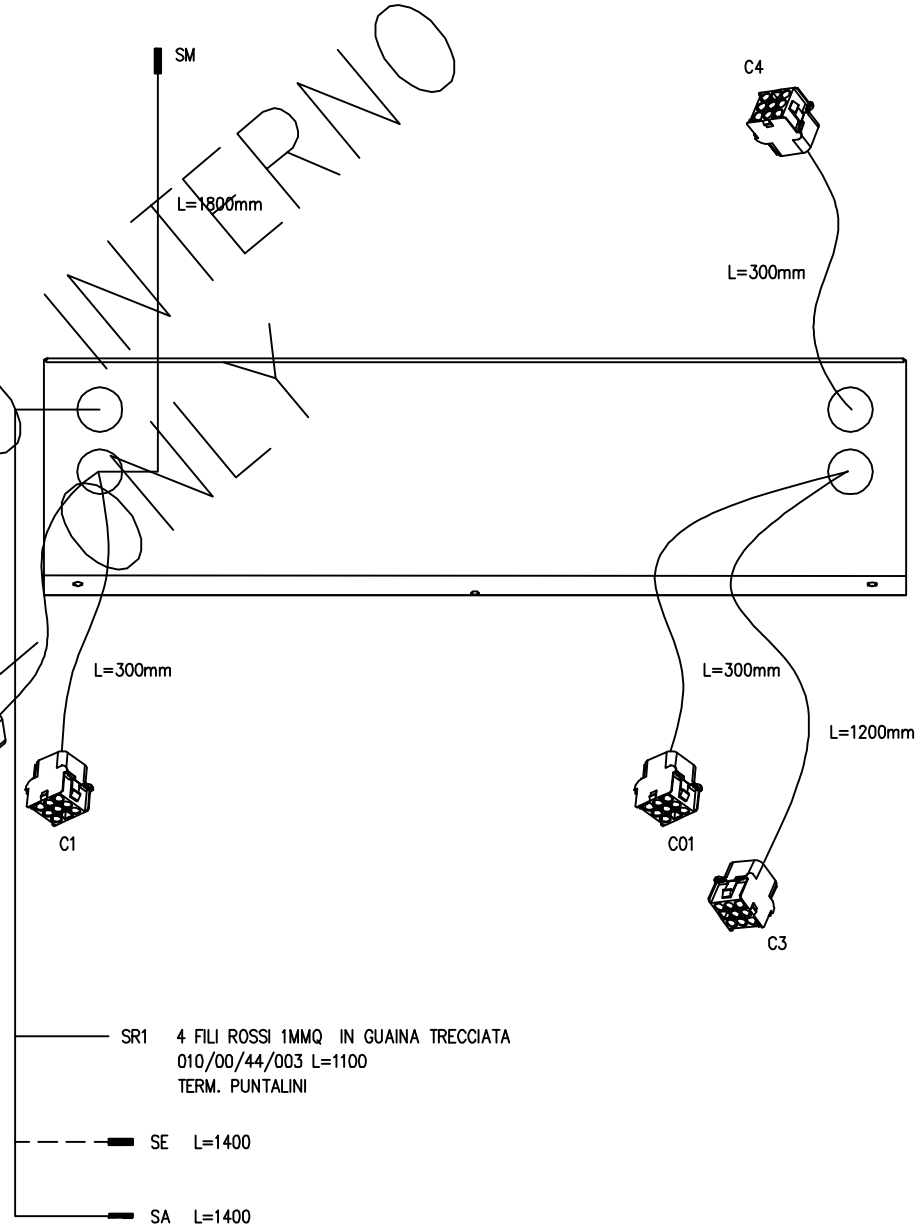
| REV. | MODIFIED | DATE | SIGN. | APPR. | M.M. | SOST. IL: | SOST. DA: | ORIGINE: | | HF620C0379 | SHEET 10 OF 14 |
| | | | | | | | | | | | CONTINUE 11 |

## LAYOUT 090...145




MONTARLI SEMPRE A 45°

## CAVI

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| REV. | MODIFIED | DATE | SIGN. | APPR. | M.M. | SOST. IL: | SOST. DA: | ORIGINE: | | HF620C0379 | SHEET 11 OF 14 |
| | | | | | | | | | | | CONTINUE 12 |

| MOD.056 073 | Ref-mark | Function | Technical data | Item code | Description | Amount | M.U. | Position |
|---|---|---|---|---|---|---|---|---|
| | KM1 | COMP. | MOELLER/AEG | AEGLS71024/DIL00AM-10 | 4852 | 1 | PCE | 5/E03 |
| | KM2 | EVAP. | MOELLER/AEG | AEGLS071024/DILEEM-10 | 51596 | 1 | PCE | 5/E03 |
| | KM6 | E. HEARTERS | CABLARE SOLO ZOCCOLO | 553280245000 | RELE' 5532 24V | 1 | PCE | 5/E03 |
| | QF1 | COMPRESSOR | AEG/MOELLER | AEGE93C10 | PLS6-C10/3 242945 | 1 | PCE | 3/B04 |
| | QF2 | COND. FANS | AEG/MOELLER | AEGE92C10 | PLS6-C10/2 242878 | 1 | PCE | 3/B04 |
| | QF3 | E. HEATERS | AEG/MOELLER | AEGE92C10 | PLS6-C10/2 242878 | 1 | PCE | 3/B04 |
| | QF4 | EVAP. FANS | AEG/MOELLER | AEGE92C10 | PLS6-C10/2 242878 | 1 | PCE | 3/B04 |
| | QS | | ABB/SOCOMEC | | OT32E6+MANIGLIA DIRETTA | 1 | 000 | 3/A02 |
| | TR | 230V/24V | 100VA | | | 1 | | 3/C07 |
| | KA3 | | FINDER | 405280230 | | 1 | | 3/C07 |

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CONTINUE 13

| MOD.090/105 120-145 | Ref-mark | Function | Technical data | Item code | Description | Amount | M.U. | Position |
|---|---|---|---|---|---|---|---|---|
| | KM1 | COMP. | MOELLER/AEG | AEGLS171024/DIL00BM-10 | 44255 | 1 | PCE | 5/E03 |
| | KM2 | EVAP. | MOELLER/AEG | AEGLS41024/DIL00M-10 | 98717 | 1 | PCE | 5/E03 |
| | KM6 | E. HEATERS | | AEGLS41024/DIL00M-10 | 98717 | 1 | PCE | 5/E03 |
| | QF1 | COMPRESSOR | AEG/MOELLER | AEGE93C16 | PLS6-C16/3 242949 | 1 | PCE | 3/B04 |
| | QF2 | COND. FANS | AEG/MOELLER | AEGE92C10 | PLS6-C10/2 242878 | 1 | PCE | 3/B04 |
| | QF3 | E. HEATERS | AEG/MOELLER | AEGE92C20 | PLS6-C20/2 242881 | 1 | PCE | 3/B04 |
| | QF4 | EVAP. FANS | AEG/MOELLER | AEGE92C10 | PLS6-C10/2 242878 | 1 | PCE | 3/B04 |
| | QS | | ABB/SOCOMEC | | OT45E6 MANIGLLIA DIRETTA | 1 | 000 | 3/A02 |
| | TR | 230V/24V | 100VA | | | 1 | | 3/C07 |
| | KA3 | | FINDER | 405280230 | | 1 | | 3/C07 |

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# NOTE INTERNE–INTERNAL NOTE

1. PREDISPORRE TUTTI FILI PER L'OPZIONE RESISTENZE (CABLARE ZOCCOLO KM6)
2. PREDISPORRE FILI FS2
3. PREDISPORRE FILI VALVOLA ELETTRONICA EV1
5. LASCIARE LATO POSTERIORE DELLE MORSETTIERE TUTTO LIBERO

| | | | | | | | | | | | |
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| | | | | DATE | 06/09/2005 | | | LENNOX | | | |
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| | | | | CONT. | P.M. | | | | | HF620C0379 | SHEET 14 OF 14 |
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