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| INDICE | |
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| CIRCUITO MANIOBRA CONTROL CIRCUIT CIRCUIT DE CONTROL STEUERKREIS REGELCIRCUIT | HOJA 3/5 |
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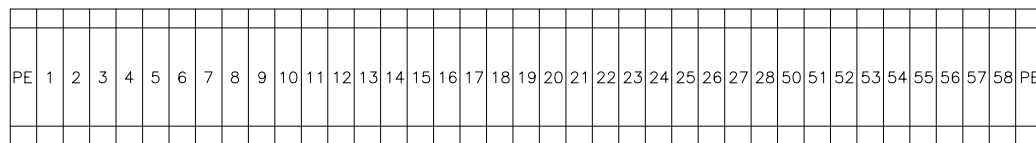
ESQUEMA ELECTRICO
WIRING DIAGRAM
SCHEMA ELECTRIQUE
SCHALTPLAN
ELECTRISCH SCHEMA

Elemento Opcional
Optional Element
Elément optionnel
Optionales bauteil
Optioneel element

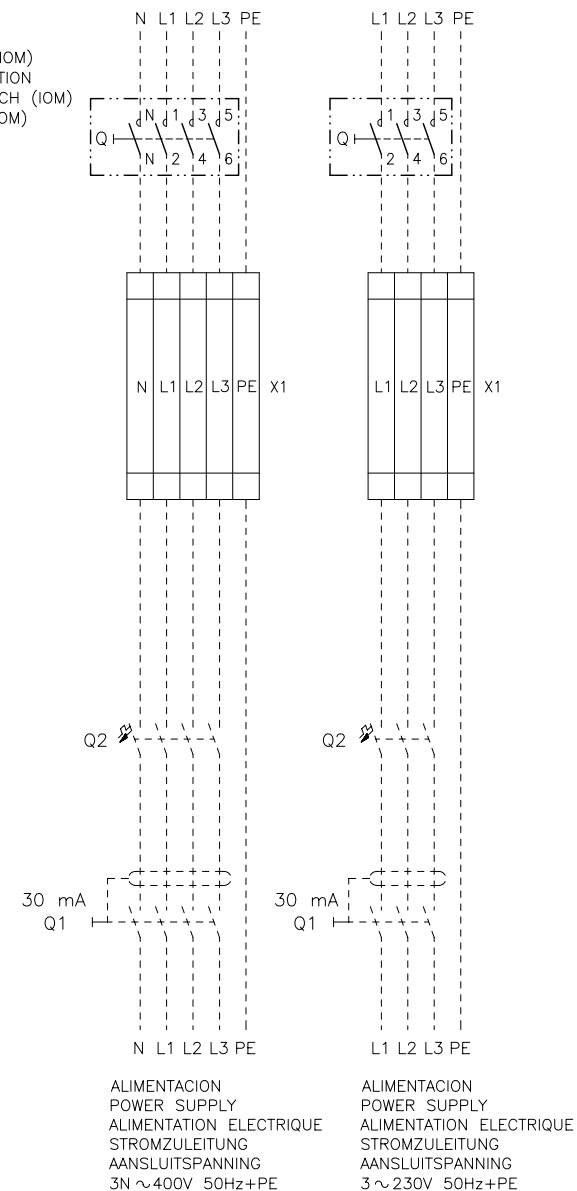
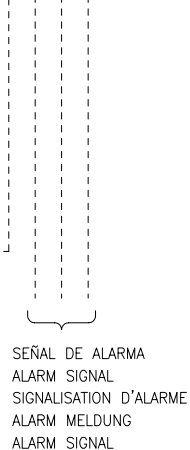
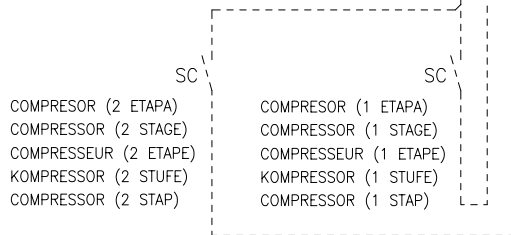
A realizar por el instalador
To wire by the installer
A câbler par l'installateur
Verdrahtung durch den installateur
Installateurzijdig te bedraden

* RETIRAR PUENTE SI SE MONTA REA
 REMOVE LINK FOR REA OPERATION
 RETIRER LE POND S'IL Y A REA
 ENTFERNEN DIE VERBINDUNG ZUM REA
 VERWIJDER LIK BIJ REA

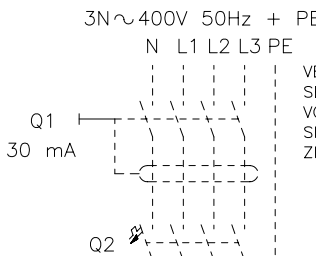
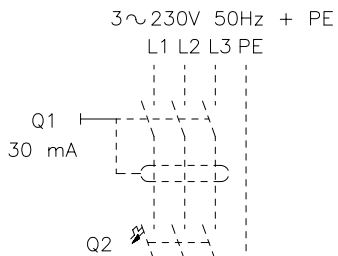
VER MANUAL INSTALACION
 SEE INSTALLATION MANUAL (IOM)
 VOIR LE MANUEL D'INSTALLATION
 SIEHE INSTALLATIONSHANDBUCH (IOM)
 ZIE INSTALLATION MANUAL (IOM)



BORNAS DE CONEXION ELECTROVALVULA LINEA DE LIQUIDO EXTERNA
 EXTERNAL LIQUID LINE SOLENOID VALVE TERMINALS
 BORNIER DE CONNEXION DE L'ELECTROVANNS DE LIQUIDE
 ANSTEUERUNG FLÜSSIGKEITSMAGNETVENTIL
 KLEMMEN EXTERNE MAGNEETKLEP VLOEISTOFLEIDING

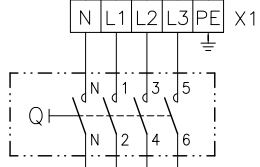
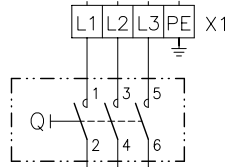


Elemento Opcional
 Optional Element
 A Realizar por el Instalador
 To Wire by the Installer

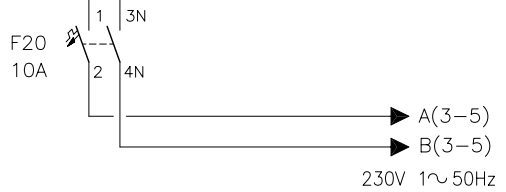
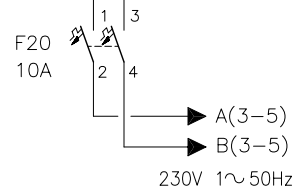


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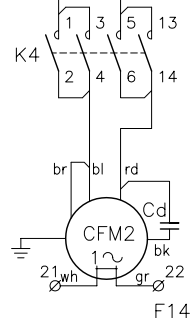
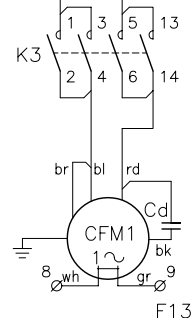
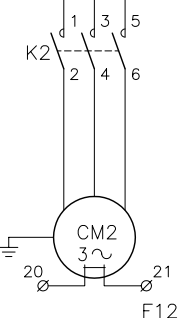
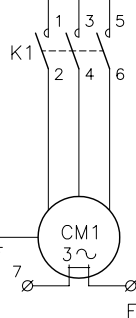
| INTENSIDAD CURRENT INTESITÉ STROM | | KSCK 48D | | KSCK 64D | | KSCK 76D | | KSCK 86D | |
|--|--------|----------|---------|----------|---------|----------|---------|----------|---------|
| | | Im(MCC) | Ia(LRA) | Im(MCC) | Ia(LRA) | Im(MCC) | Ia(LRA) | Im(MCC) | Ia(LRA) |
| 400V 3~50Hz | CM1-2 | 15,1A | 94,0A | 20,7A | 127A | 25,6A | 158A | 29,8A | 189A |
| 230V 3~50Hz | CM1-2 | 27,2A | 166A | 37,2A | 224A | 46,1A | 279A | 53,6A | 330A |
| 230V 1~50Hz | CFM1-2 | 3,5A | — | 4,5A | — | 4,5A | — | 4,5A | — |



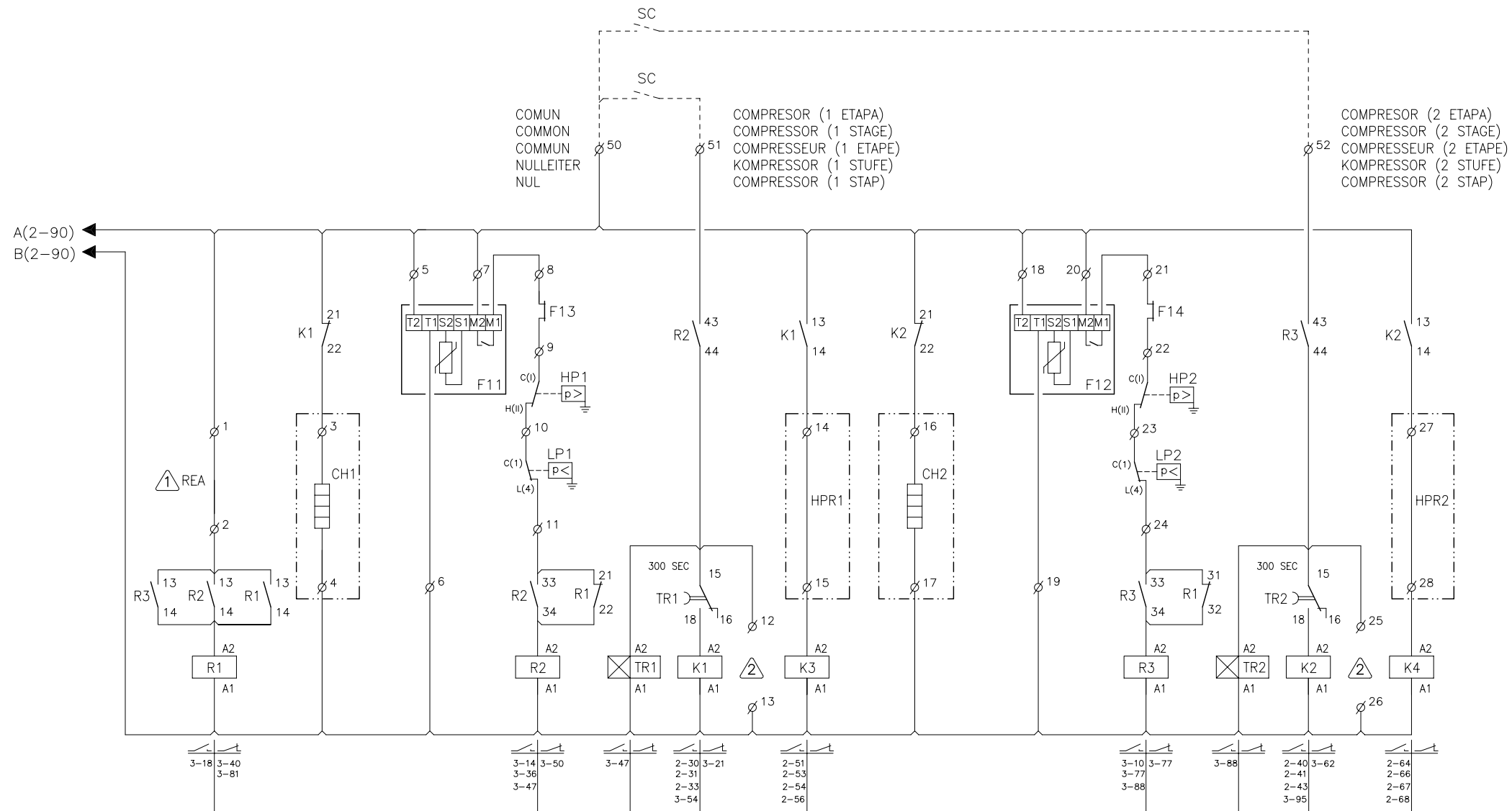
| FUSIBLES FUSES FUSIBLES SICHERUNGEN ZEKERINGEN | | KSCK 48D-64D-76D-86D | | | |
|--|-------------|-------------------------|-------|-------|-------|
| | | 48D | 64D | 76D | 86D |
| 400V 3~50Hz | F1-2(CM1-2) | 6x20A | 6x25A | 6x32A | 6x40A |
| 230V 3~50Hz | F1-2(CM1-2) | 6x40A | 6x50A | 6x63A | 6x80A |
| 230V 1~50Hz | F3(CFM1-2) | 1x10A | 1x10A | 1x10A | 1x10A |



- CIRCUITO DE MANIOBRA
- CONTROL CIRCUIT
- CIRCUIT DE COTROL
- STEUERKREIS
- REGELCIRCUIT

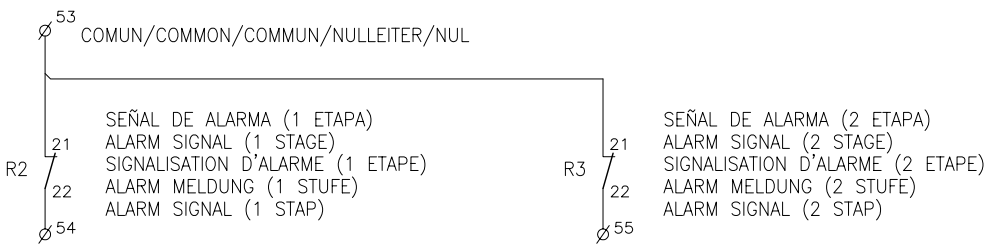


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Optional Element
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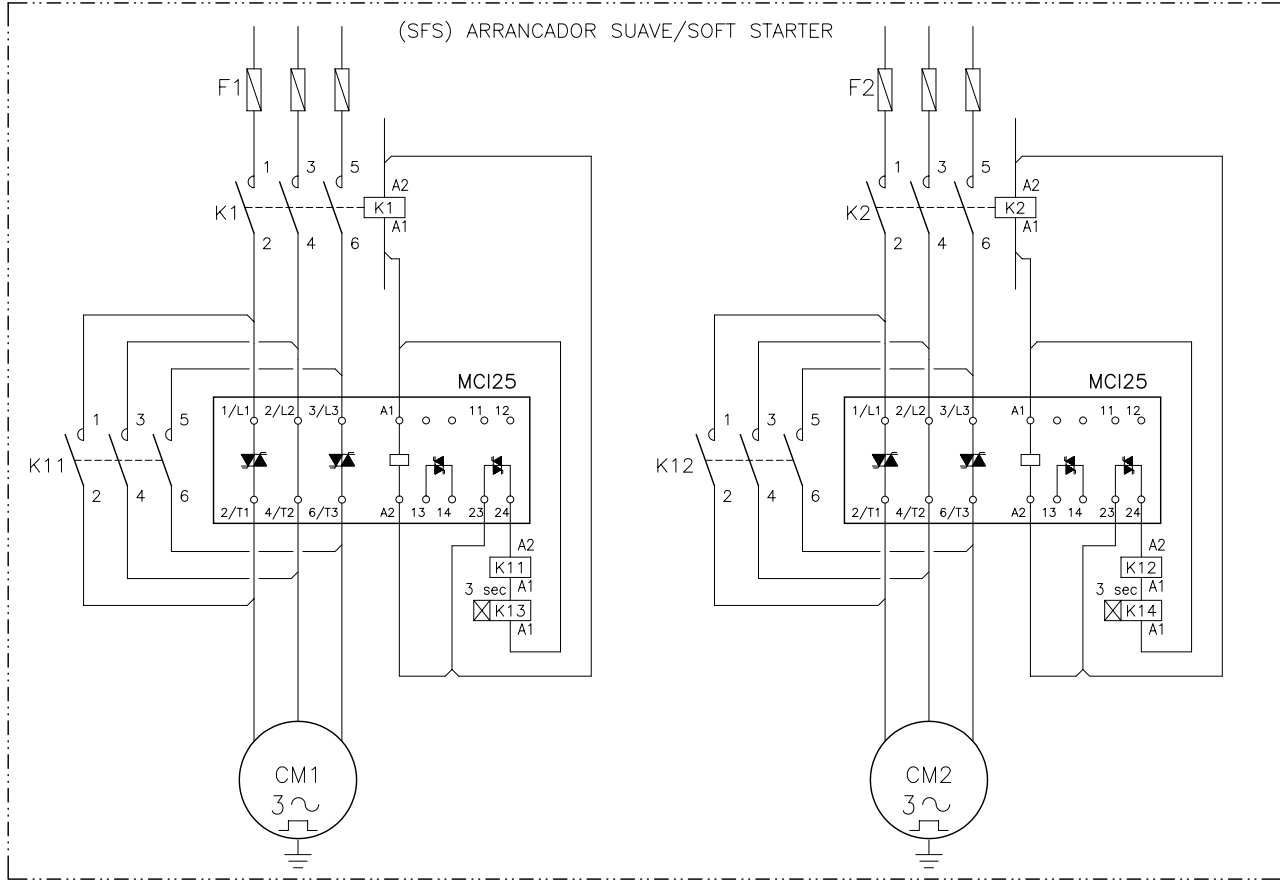
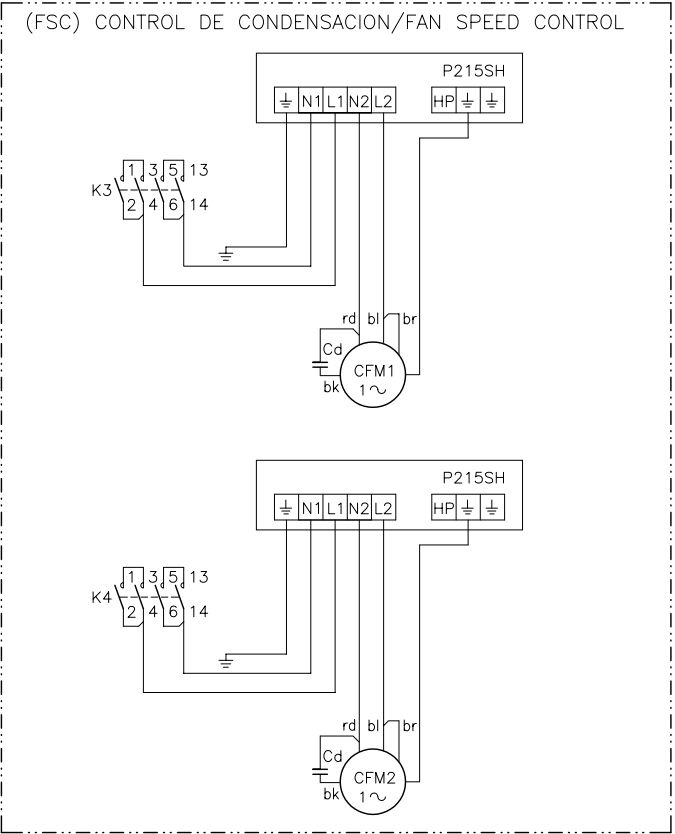
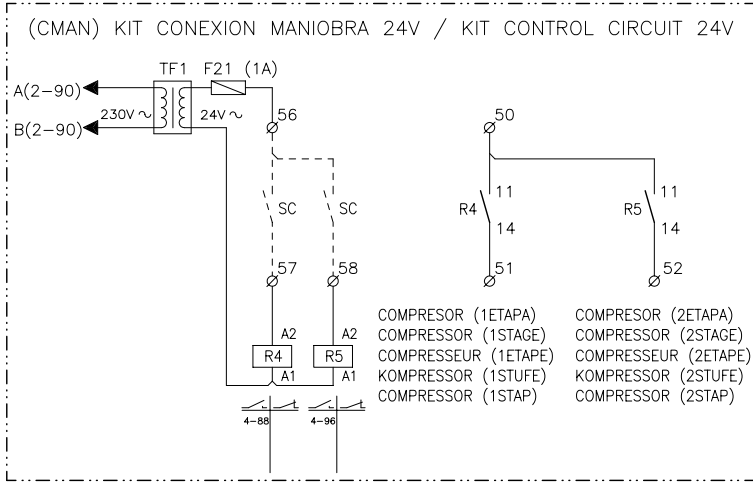
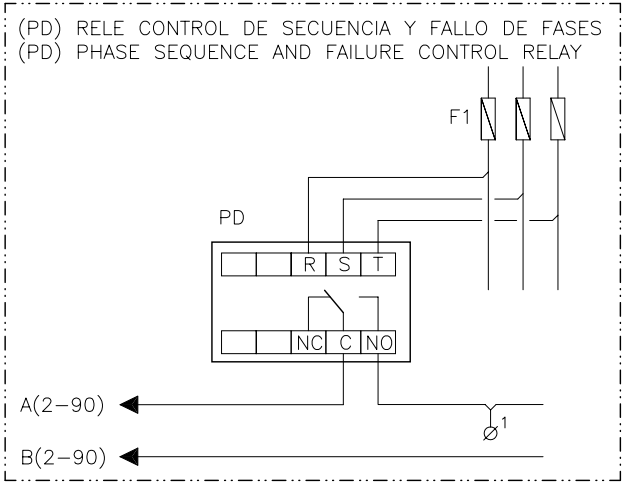
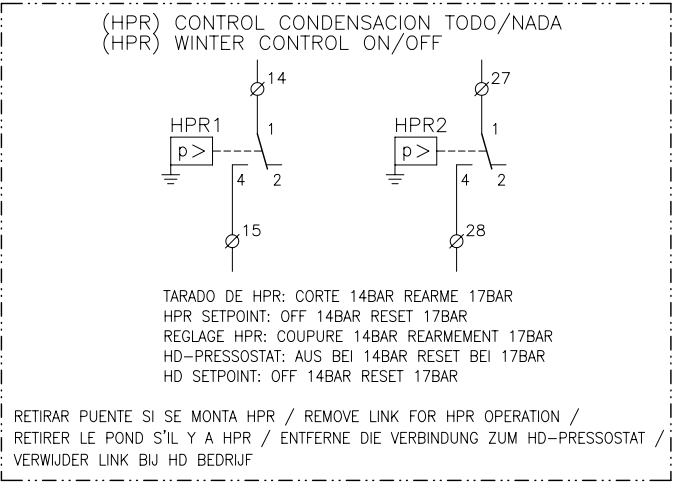


1 REARME ALARMA POR DESCONEXION ALIMENTACION/ABERTURA PUENTE REA
 ALARM RESET THROUGH SWITCH OFF POWER/OPENING JUMPER REA
 REARMEMENT DE DEFAULT PAR COUPTURE DE COURRANT ALIMENTATION/OUVERTURE DU POND REA
 ALARM RESET DURCH ABSCHALTEN DES STROMS/OFFNEN DES JUMPER S REA
 ALARM RESET DOOR UITSCHAKELLEN POWER/OPENING JUMPER REA

2 BORNAS DE CONEXION ELECTROVALVULA LINEA DE LIQUIDO EXTERNA
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 BORNIER DE CONNEXION DE L'ELECTROVANNS DE LIQUIDE
 ANSTEUERUNG FLÜSSIGKEITSMAGNETVENTIL
 KLEMMEN EXTERNE MAGNEETKLEP VLOEISTOFLEIDING



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 Optional Element
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 To Wire by the Installer



Elemento Opcional
Optional Element
A Realizar por el Instalador
To Wire by the Installer

| | LEYENDA | LEGEND | REFERENCE | LEGENDE | LEGENDA |
|---------|--|--|-------------------------------------|----------------------------------|-----------------------------------|
| Cd | Condensador | Condenser | Condenseur | Kondensator | Condensator |
| CH | Resistencia de carter | Crankcase heater | Résistance de carter | Kurbelwannenheizung | Carterverwarming |
| CFM | Motor ventilador exterior | Compressor fan motor | Moteur ventilateur extérieur | Kondensatorlüftermotor | Condensator ventilador motor |
| CM | Motor compresor | Compressor motor | Compresseur | Kompressor | Compressor motor |
| CMAN | Kit conexión maniobra 24V | Kit control circuit 24V | Kit circuit de control en 24V | Externe freigabe kompressor 24V | 24V stuurstroomb kit |
| FSC | Control de condensación | Fan speed control | Variateur de vitesse du ventilateur | Kondensationsdruckregelung | Ventilator snelheidsregelaar |
| F1-3 | Fusibles | Fuses | Fusibles | Sicherungen | Zekeringen |
| F11-12 | Módulo protección compresor | Compresor protector module | Module protection du compresseur | Therm. kompressorrelais | Compressor beveiligings module |
| F13-14 | Protección térmica | Thermal protection | Protection thermique | Therm. kompressorrelais | Compressor thermische beveiliging |
| F20 | Magnetotérmico | Circuitbraker | Magneto thermique | Motorschutzschalter | Thermisch relais |
| HP1-2 | Presostato de alta | High pressure pressostat | Pressostat HP | Hochdruckpressostat | Hoge druck pressostaat |
| HPR1-2 | Control condensación TODO/NADA | Winter control ON/OFF | C. pression condensation ON/OFF | K. druckregelung ON/OFF | Winter regeling AAN/UIT |
| Ia(LRA) | Intensidad de arranque | Starting current | Intensité de démarrage | Anlaufstrom | Opstart stroom |
| Im(MCC) | Intensidad máxima | Maximum current | Intensité maximum | Maximale stromstärke | Maximaal stroom |
| K | Contacto | Contacteur | Contacteur | schütz | Relais |
| LP1-2 | Presostato baja | Low pressure pressostat | Pressostat BP | Niederdruckpressostat | Lagedruk beveiling |
| PD | Relé control de secuencia-fallo de fases | Phase sequence and failure control relay | Détecteur de phase | Phasenfolgenüberwachung+Störemel | Fasevolgorde-foutcontrole relais |
| Q | Interruptor general | Main switch | Interrupteur général | Hauptschalter | Hoofdschakelaar |
| Q1 | Interruptor diferencial | Ground safety switch | Interrupteur différentiel | Schalter | Aardlekschakelaar |
| Q2 | Interruptor magnetotérmico | Circuit breaker | Interrupteur magneto thermique | Motorschutzschalter | Magneetschakelaar |
| REA | Rearme alarma | Alarm reset | Réarmement d'alarmes | Alarmreset | Alarm reset |
| R1 | Relé rearme | Reset relay | Relais de réarmement | Resetrelais | Reset relais |
| R2-3 | Relé señal de alarma | Alarm signal relay | Relais défaut à distance | Störmelderelais | Storingrelais |
| R4-5 | Relé auxiliar | Auxiliary relay | Relais auxiliaire | Hilfsrelais | Aux. relais |
| SC | Conexión arranque | Start connection | Contact de demarrage | Freigabekontakt kompressor | Startcommando |
| SFS | Arrancador suave | Soft starter | Démarrreur progressif | Softstarter/Sanftanlauf | Soft starter |
| TF1 | Transformador | Transformer | Transformateur | Transformator | Transformator |
| TR1-2 | Temporizador | Timer | Temporisation | Schaltuhr | Timer |
| | CODIGO DE COLORES | COLOUR CODE | CODE COLEUR | FARBKENNUNG | KLEURCODE |
| bk | negro | black | noir | schwarz | zwart |
| br | marrón | brown | brun | braun | bruin |
| rd | rojo | red | rouge | rot | rood |
| or | naranja | orange | orange | orange | oranje |
| yl | amarillo | yellow | jaune | gelb | geel |
| gn | verde | green | vert | grün | groen |
| bl | azul | blue | bleu | blau | blauw |
| vi | violeta | violet | violet | violett | violet |
| gr | gris | gray | gris | grau | grijs |
| wh | blanco | white | blanc | weiss | wit |