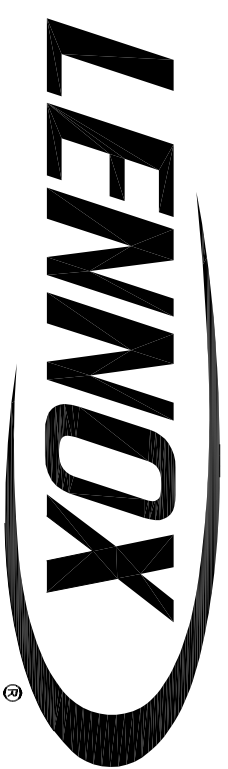


0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95

INDICE	
REGLETERO CONEXIONES ELECTRICAS TERMINAL STRIP BORNIER DE CONNEXION ELECTRIQUE KLEMLEISTE AANSLUITSTRIP	HOJA 1/8
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ESQUEMA ELECTRICO
WIRING DIAGRAM
SCHEMA ELECTRIQUE
SCHALTPLAN

Elemento Opcional
Optional Element
Element optionnel
Optionales bauteil

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

0/8

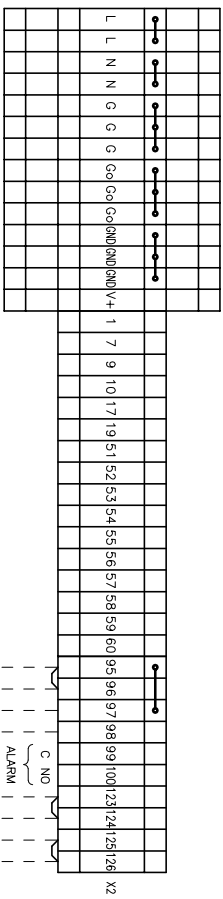
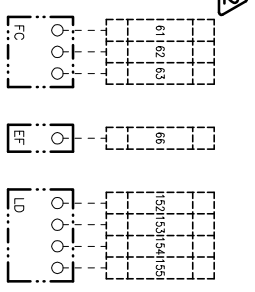
Lennox Refrac S.A.

ESQUEMA ELECTRICO
ELECTRIC DIAGRAM

ANHM 22E
C50

4Z-33-410-657 48H
3N ~ 400V 50Hz + PE

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95



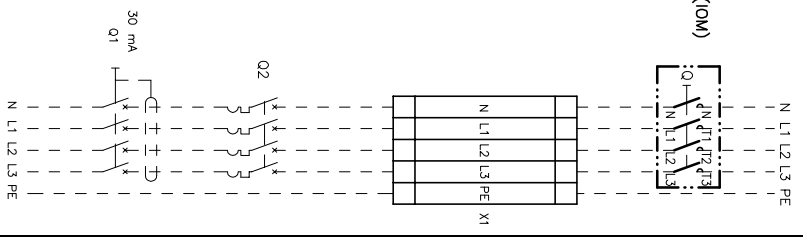
ON/OFF REMOTO ON/OFF
 REMOTE ON/OFF
 RESET
 RESET
 ALARMA DAD
 DAD ALARM
 SEÑAL DAD
 SIGNAL DAD

A LA MANGUERA APANTALLADA DEBE CONECTARSE A TIERRA
 THE CABLE SCREEN MUST BE CONNECTED TO GROUND
 LA TRESSE DE BLINDAGE DOIT SE CONNECTER A LA TERRE
 DIE KABELABSCHIRMUNG MUSS GEEDET WERDEN

A RETIRAR PUENTE SI SE MONTA ON/OFF REMOTO
 REMOVE LINK FOR REMOTE ON/OFF OPERATION
 RETIRER LE PONT EN CAS DE MARCHE/ARRET A DISTANCE
 ENTFERNE DIE VERBINDUNG ZUM EIN/AUS FERNSCHALTER

A ESTAS BORNAS SOLAMENTE SE INCLUYEN CON SU OPCIONAL
 THESE TERMINALS ARE ONLY INCLUDED WITH ITS OPTIONAL
 CES CONTACTS SONT INSTALLES SEULEMENT SI ON DEMANDE CHOISIT L'OPTION
 DIESE ANSCHLUSSKLEMMEN SIND NUR MIT ZUBEHÖR VERFÜGBAR IHREM OPTIONAL

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



Elemento Opcional
 Optional Element
 Element optionnel
 Optionales bauteil

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

1/8

Lemnox Refrac S.A.

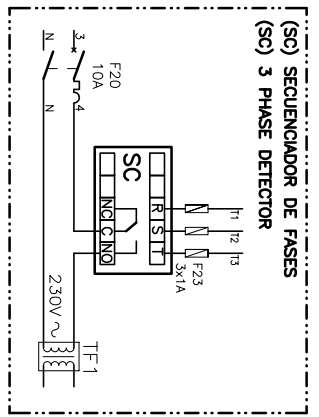
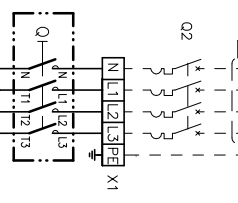
ESQUEMA ELECTRICO
ELECTRIC DIAGRAM

ANHM 22E
C50

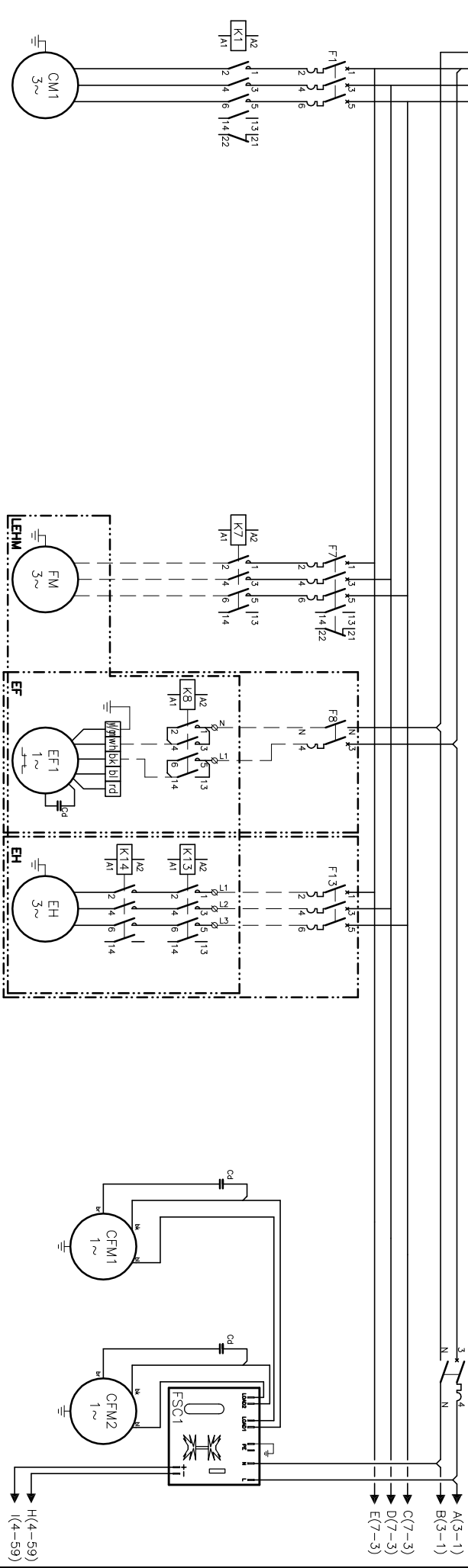
ALIMENTACION
 POWER SUPPLY
 ALIMENTATION
 ELECTRIQUE
 STROMZULEITUNG
 3N~400V 50Hz+PE
 4Z-3S-410-657 48H
 3N ~ 400V 50Hz + PE

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95

3N~400V 50Hz+PE
 N L1 L2 L3 PE
 VER MANUAL INSTALACION
 SEE INSTALLATION MANUAL (OM)
 VOIR LE MANUEL D'INSTALLATION
 SIEHE INSTALLATIONSHANDBUCH (OM)



7.5kW	Im(CC)	10.8A
1S	Id(LRA)	1.6A
11kW	Im(CC)	15.9A
1S	Id(LRA)	2.0A
15kW	Im(CC)	21.7A
1S	Id(LRA)	2.5A



ANHM	Im(CC)	1.5A	STD	2.59A	2.6A	0.8A
ZZE	Id(LRA)	101A	6.44A	1.3A	2.4A	2.4A
F		20A	1..1.6A	2.5..4A		2.4A

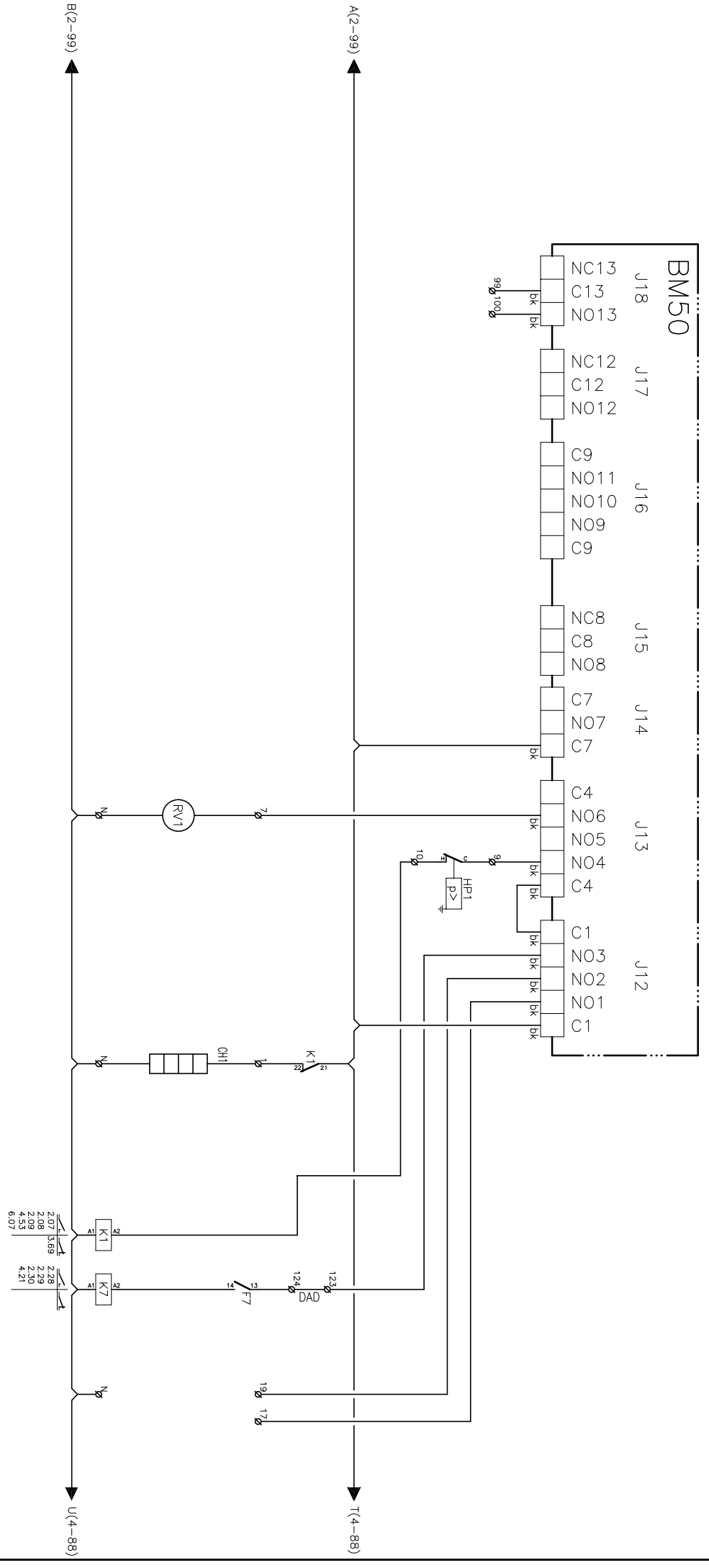
Elemento Opcional
 Optional Element
 Element optionnel
 Optionales bauteil

A realizar por el instalador
 To wire by the installer
 A cobler par l'installateur
 Verdrahtung durch den installateur

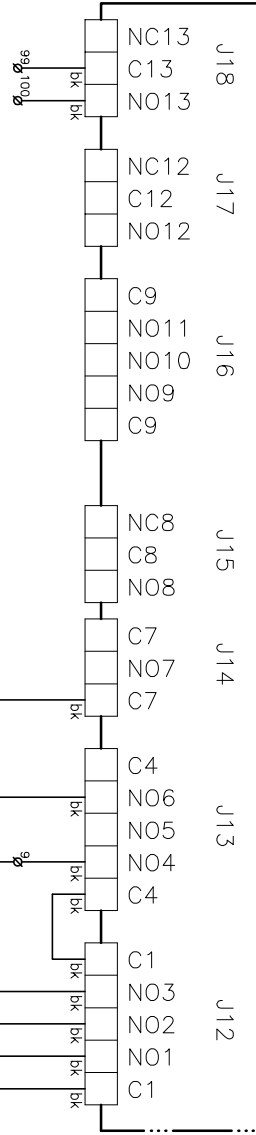
2/8 Lennox Refrac S.A. ESQUEMA ELECTRICO ELECTRIC DIAGRAM

ANHM 22E C50 4Z-33-410-657 48H
 3N ~ 400V 50Hz + PE

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95



BM50



Elemento Opcional
Optional Element
Element optionnel
Optionales bauteil

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

3/8

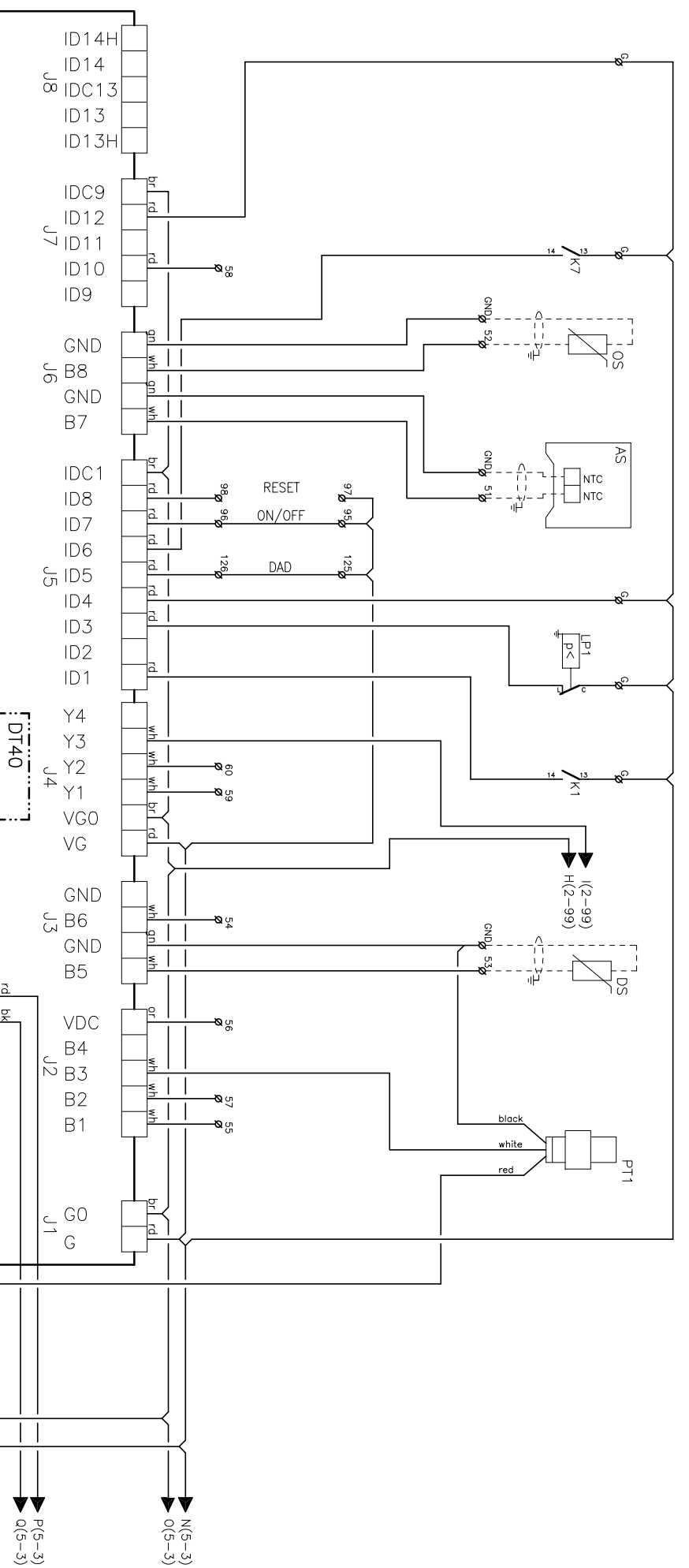
Lennox Refrac S.A.

ESQUEMA ELECTRICO
ELECTRIC DIAGRAM

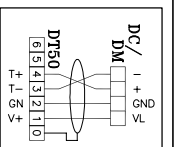
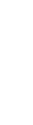
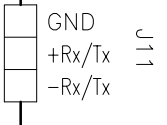
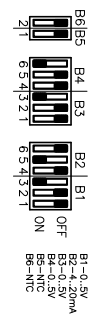
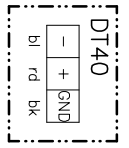
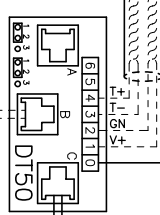
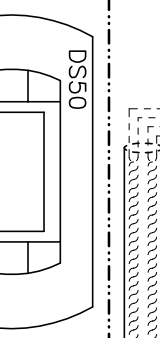
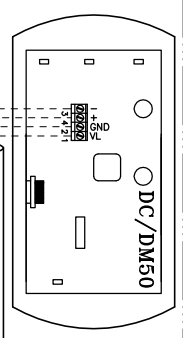
ANHM 22E
C50

4Z-33-410-657 48H
3N ~ 400V 50Hz + PE

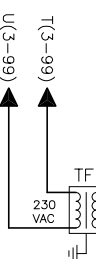
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95



BM50



Cable c.sect.(mm ²)	2 Twisted pair
AWG	20 0.5mm ²
300m. maxi.	
Cable c.sect.(mm ²)	2 Twisted pair
LYCY-P	0.5mm ²
500m. maxi.	



Elemento Opcional
 Optional Element
 Element optionnel
 Optionales bauteil

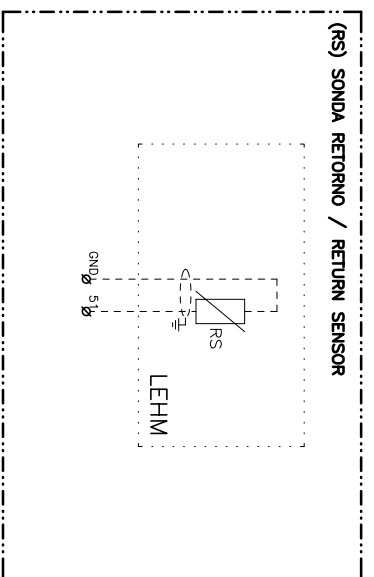
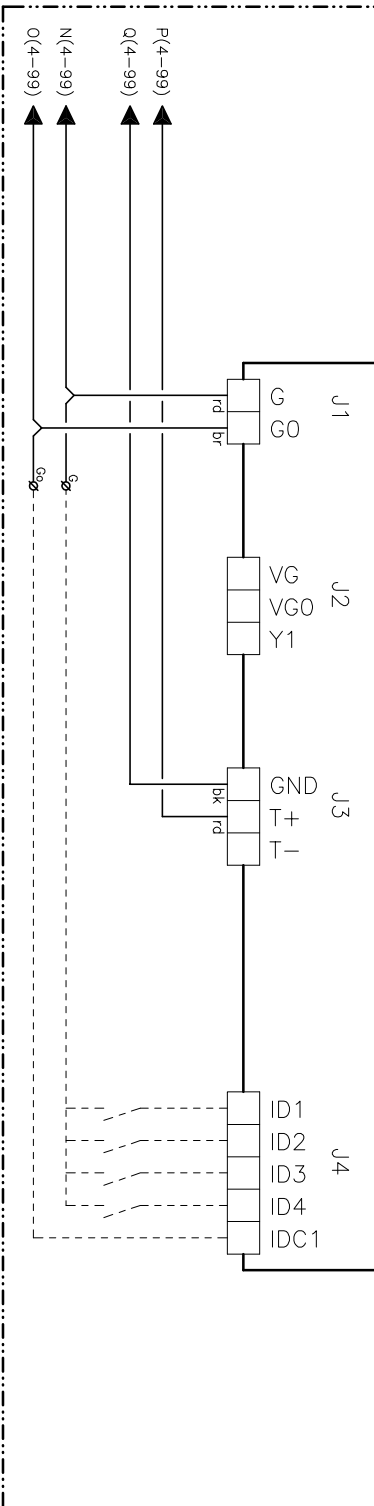
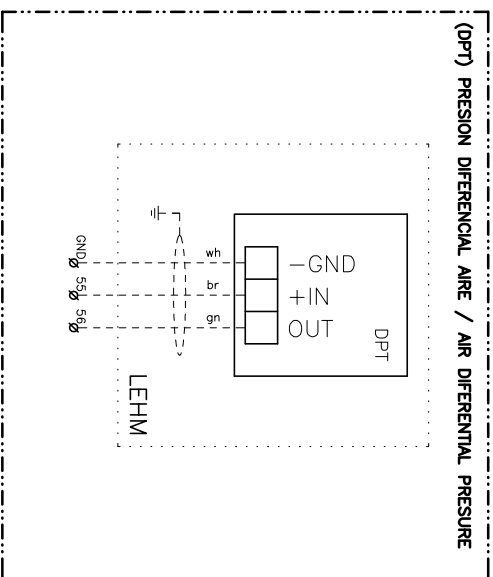
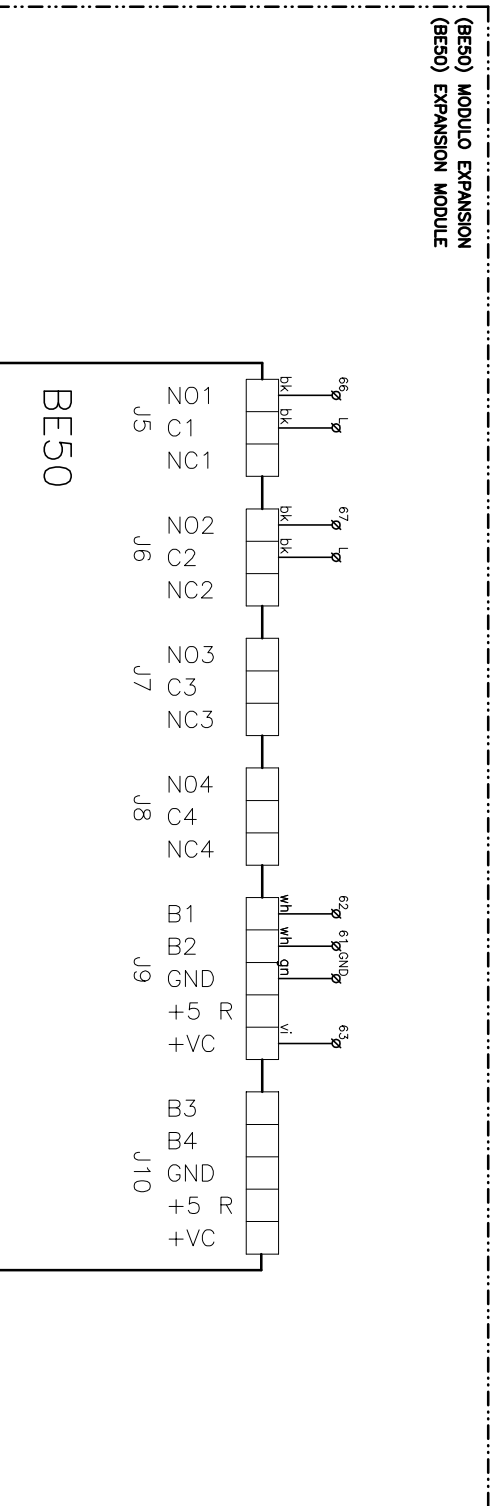
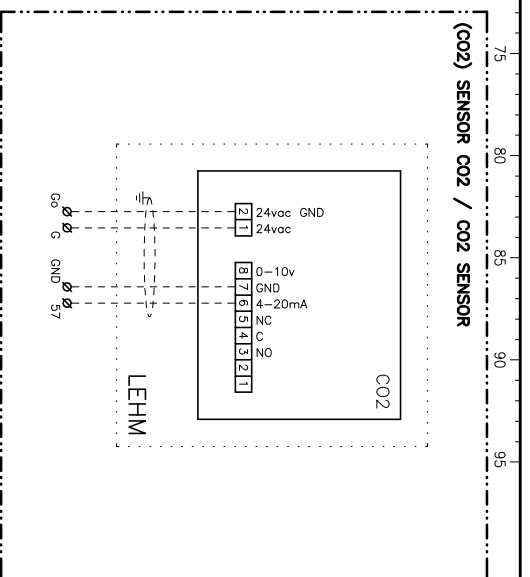
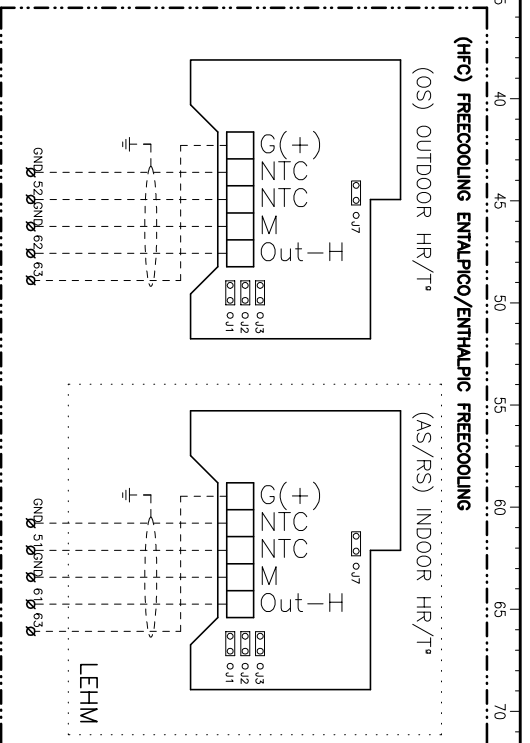
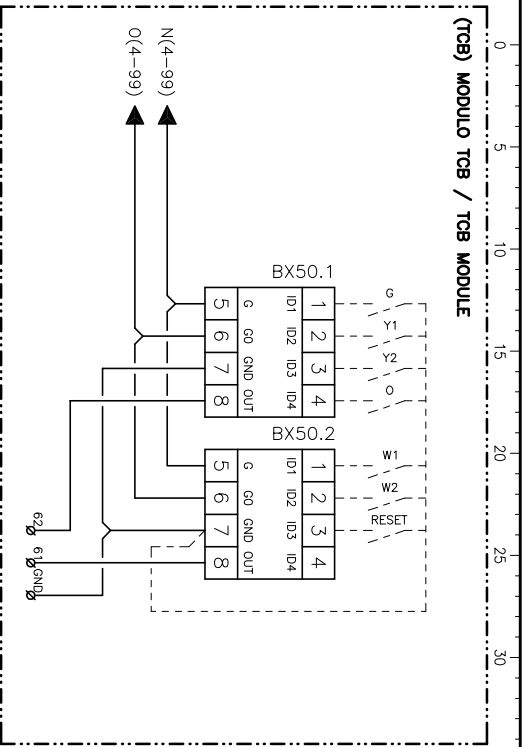
A realizar por el instalador
 To wire by the installer
 A câbler par l'installateur
 Verdrahtung durch den installateur

4/8
 Lemnox Refrac S.A.

ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM

ANHM 22E
 C50

4Z-33-410-657 48H
 3N ~ 400V 50Hz + PE

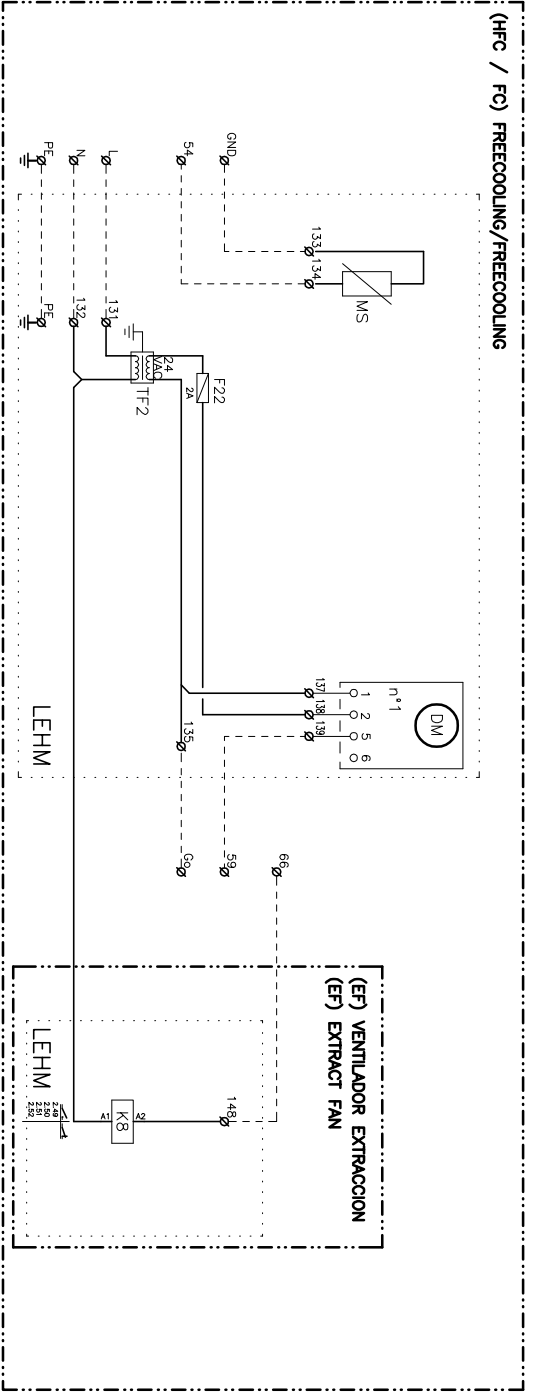
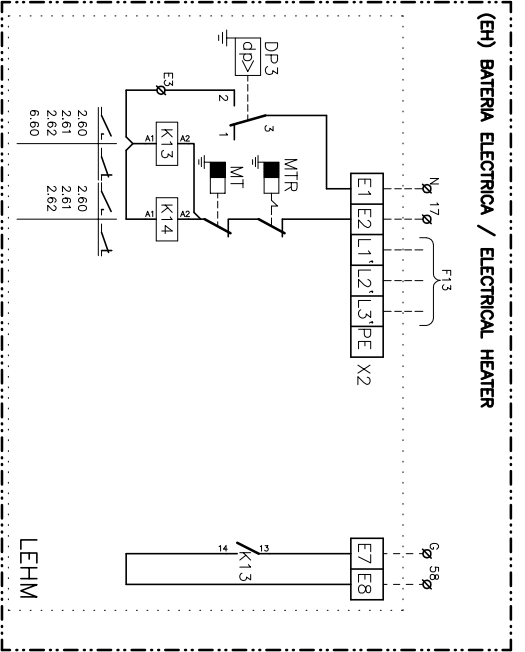
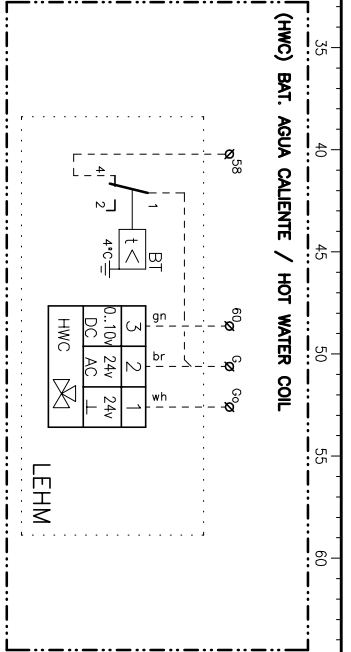
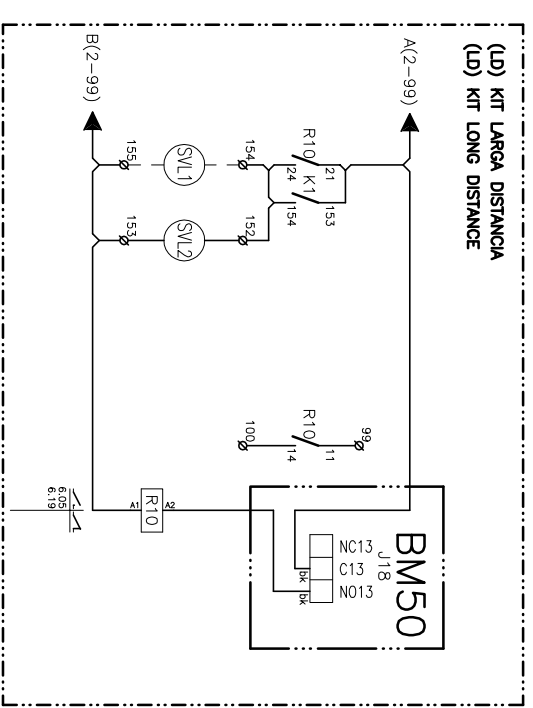
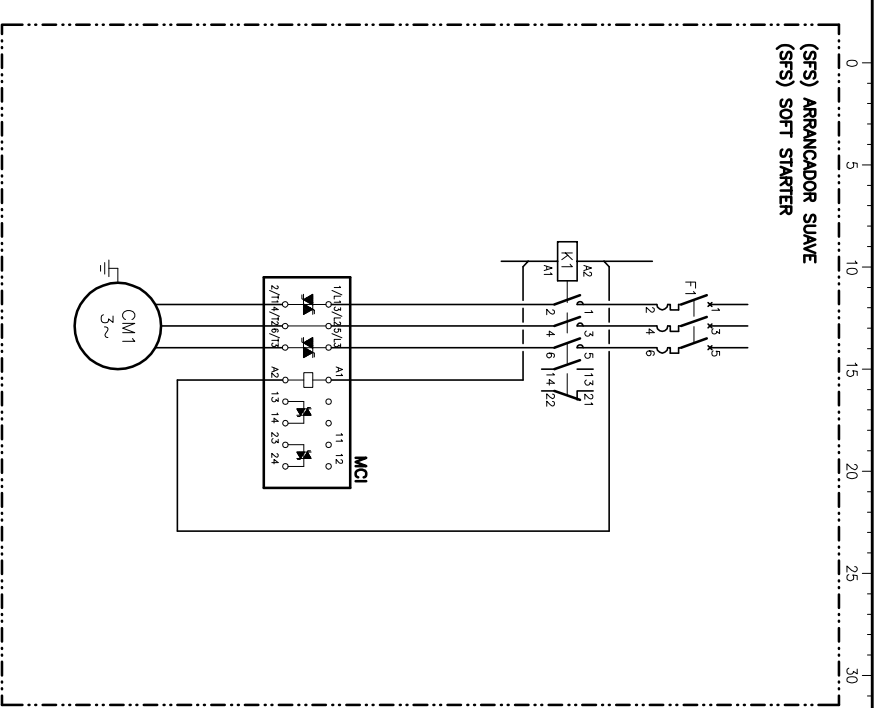


Elemento Opcional
Optional Element
Element optionel
Optionales bauteil

A realizar por el instalador
To wire by the installer
A cobler por l'installateur
Verdrahtung durch den installateur

5/8 Lennox Refrac S.A. ESQUEMA ELECTRICO ELECTRIC DIAGRAM

ANHM 22E C50 4Z-33-410-657 48H 3N ~ 400V 50Hz + PE



Elemento Opcional
Optional Element
Element optionnel
Optionales bauteil

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

6/8
Lennox Refrac S.A.
ESQUEMA ELECTRICO
ELECTRIC DIAGRAM

ANHM 22E
C50
4Z-33-410-657 48H
3N ~ 400V 50Hz + PE

(DAD) CONTROL DE DETECCION DE HUMOS
(DAD) SMOKE DETECTION CONTROL

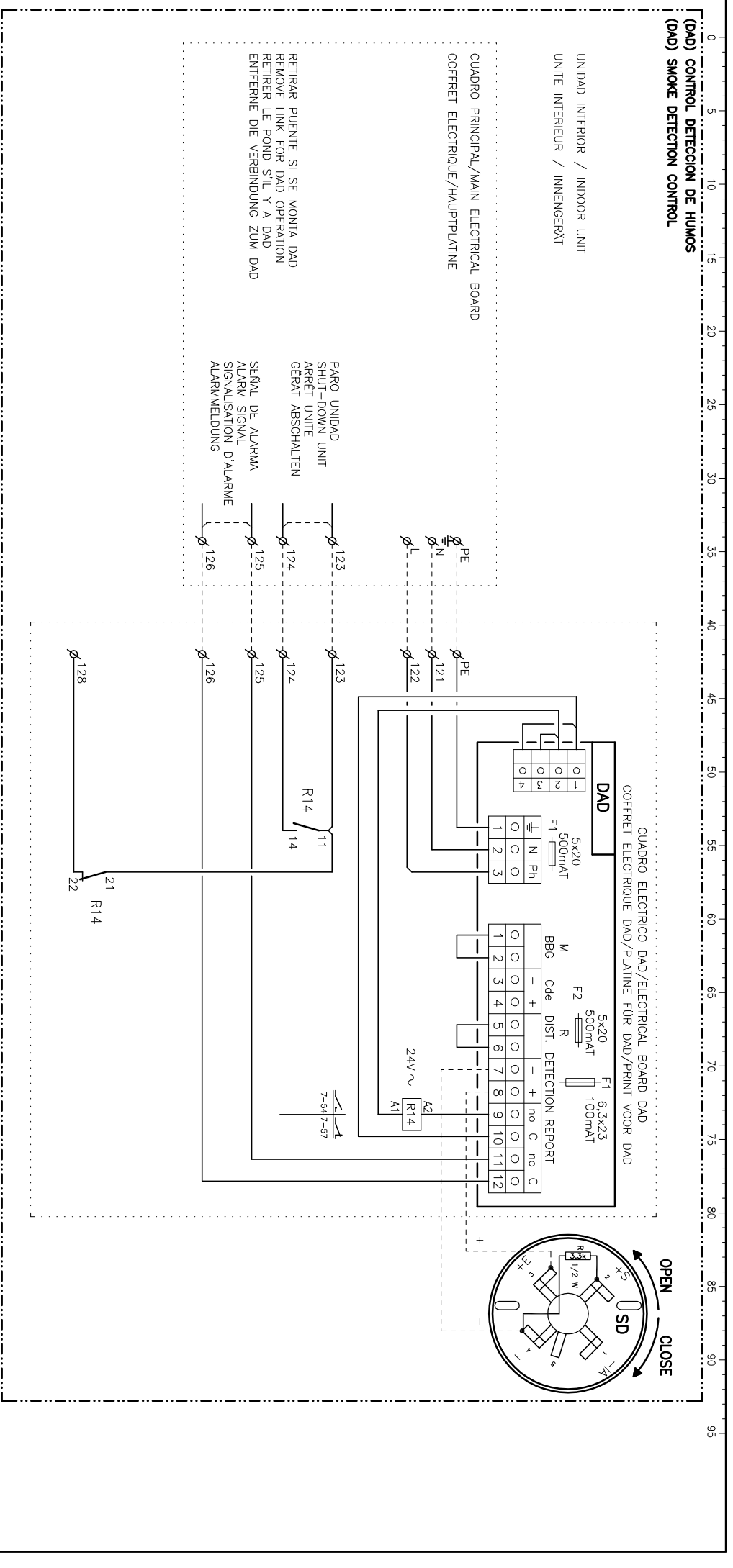
UNIDAD INTERIOR / INDOOR UNIT
 UNITE INTERIEUR / INNENGERÄT

CUADRO PRINCIPAL/MAIN ELECTRICAL BOARD
 COFFRET ELECTRIQUE/HAUPTPLATINE

RETIRAR PUENTE SI SE MONTA DAD
 REMOVE LINK FOR DAD OPERATION
 RETIRER LE POND SIL Y A DAD
 ENTFERNEN DIE VERBINDUNG ZUM DAD

PARO UNIDAD
 SHUT-DOWN UNIT
 ARRÊT UNITE
 GÉRAT ABSCHALTEN

SEÑAL DE ALARMA
 ALARM SIGNAL
 SIGNALISATION D'ALARME
 ALARMELDUNG



Elemento Opcional
 Optional Element
 Element optionnel
 Optionales bauteil

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

7/8
 Lennox Refrac S.A.

ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM

ANHM 22E
C50

4Z-33-410-657 48H
 3N ~ 400V 50Hz + PE

0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
LEYENDA		LEGEND		REFERENCE		LEGGENDE													
AS BE50 BM50 BR BX50 BY Cd CH CFM CM CO2 DAD DCL50 DM DP DPr1 DS DS50 DT50 EH EH F1-17 F20 F21-22 F31-34 F35-47 FC FM FSC FP GPO HFC HP1-2 HWC Ic(LPA) Ic(MWC) K LD LP1-2 MS MTR OS SC PT1-2 Q Q1 Q2 R1-20 RFM RS RV1-2 SD SFS SV TCB TF1-2	Sonda remota ambiente Modulo de expansion climatic 50 Climatic 50 Antifreeze Antihielo Multiplesor Climatic 50 Kit by pass de gas caliente Condensador Resistencia de Carter Motor ventilador exterior Motor compresor CO2 detector Control detección de humos Terminal de confort Servomotor compuerta Presostato diferencial aire Detector filtros sucios Temperatura impulsion Terminal de servicio Conexion en T Ventilador de extraccion Bateria electrica Fusibles Magnetoeléctrico Fusible del TF1-TF2 Modulo protección compresor Protección térmica Freecooling Motor ventilador interior Control de condensación Grupo Freecooling enthalpico Presostato de alta Bateria agua caliente Intensidad de arranque Intensidad máxima Ic(MWC) Contactor Kit larga distancia tuberia Presostato baja Temperatura de retorno Termostato seguridad (70°C automático) Termostato seguridad (105°C manual) Temperatura Exterior Relé control de secuencia-fallo de fases Transductor de presión refrigerante Interruptor general Interruptor diferencial Interruptor magnetoeléctrico Relé auxiliar Ventilador de retorno Temperatura de retorno Válvula Inversora (frío ON) Sensor detector de humos Arrancador suave Válvula solenoidal Modulo TCB Transformador	Ambient remote sensor Expansion module climatic 50 Climatic 50 Antifreeze Heater Multiplexer Climatic 50 Kit hot gas by pass Capacitor Crankcase heater Compressor fan motor Compressor motor CO2 detector Smoke detector control Comfort display Damper actuator Air pressure differential switch Dirty filter detector Discharge sensor Service display T Connection Exhaust fan Electrical heater Fuses Circuitbreaker TF1-TF2 fuse Compressor protector module Thermal protection Freecooling Indoor fan motor Fan speed control Group Enthalpic Freecooling High pressure pressostat Hot water coil Starting current Maximum current Waximum current Contactor Kit piping long distance Low pressure pressostat Return sensor Safety thermostat (open 70°C autom. reset) Safety thermostat (open 105°C manu. reset) Outdoor Temperature Phase sequence and failure control relay Refrigerant pressure transducer Main switch Ground safety switch Circuit breaker Auxiliary relay Return Fan Motor Return sensor Reversing valve (cooling ON) Smoke detection sensor Soft starter Solenoid valve TCB Module Transformer	Sonde temp. à distance Carte expansion climatic 50 Climatic 50 Thermostat Antigel Multiplexeur Climatic 50 By-pass de gaz chaud Condensateur Résistance de Carter Moteur ventilateur extérieur Compresseur Détecteur CO2 Décteur fumées Display confort Servomoteur registre Pressostat différentiel d'air Décteur filtres encrassés Sonde de température soufflage Display service T de connection console Ventilateur d'extraction Résistance électrique Fusibles Disjoncteur Fusible TF1-TF2 Module protection du compresseur Protection thermique Freecooling Moteur ventilateur intérieur Voyantur de vitesse du ventilateur Groupe Freecooling enthalpique Pressostat HP Batterie eau chaude Intensité de démarrage Intensité maximale Contacteur Kit longues distances tuyauterie Sonde de reprise T, sécurité (70°C automatique) T, sécurité (105°C manuel) Température Extérieure Décteur de phases Transducteur de pression Interrupteur général Interrupteur différentiel Interrupteur magnéto thermique Relais auxiliaire Ventilateur de reprise Sonde de reprise Vanne 4 voix (active en mode froid) Tête de détection de fumées Démarreur progressif Vanne solénoïde Module TCB Transformateur	Umgebungstemperaturfühler Intertrance BE 50 Climatic 50 Frostschutzthermostat Interface BX 50 Heissgasbypass Kondensator Kurbelwammenheizung Kondensatorfühlermotor Kompressor Rauchmelder Auslasseneintr Rauchmelder Komfort display Klappenantrieb Differentialluftdruckschalter Differenzdruckwächter Ablufttemperaturfühler Service display Schmittstelle DT50 Abluftlüfter Heizstufe Sicherungen Motorschutzschalter TF1-TF2 schütz Therm. Kompressorrelais Therm. Relais Freie-Kühlung Innenventilatormotor Kondensationsdruckregelung Gruppe Enthalpische Freie-Kühlung Hochdruckpressostat Warmwasserheizregler Anlaufstrom Maximale Stromstärke Schutz Kit für lange Leitung Niederdruckpressostat Rückluftfühler Sicherheitsther. (70°C automatisch) Sicherheitsther. (150°C manuell) Leistung Temperatur Phasenfolgenüberwachung+Störmel Drucktransmitter Hauptschalter Schalter Motorschutzschalter Hilfsrelais Rückluftfühlermotor Rückluftfühler Umschaltrelais (kühlen ON) Rauchmelder Softstarter/Sanftanlauf Magnetventil TCB Modul Transformator	ESQUEMA ELECTRICO ELECTRIC DIAGRAM	ANHM 22E C50	4Z-33-410-657 3N ~ 400V 50Hz + PE	48H											
8 / Lemnox Refrac S.A.		8 / Lemnox Refrac S.A.		8 / Lemnox Refrac S.A.		8 / Lemnox Refrac S.A.													
8 / Lemnox Refrac S.A.		8 / Lemnox Refrac S.A.		8 / Lemnox Refrac S.A.		8 / Lemnox Refrac S.A.													

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