

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

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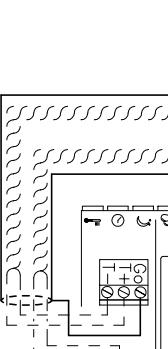
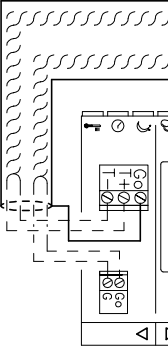
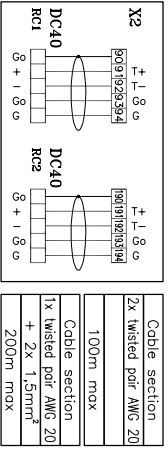
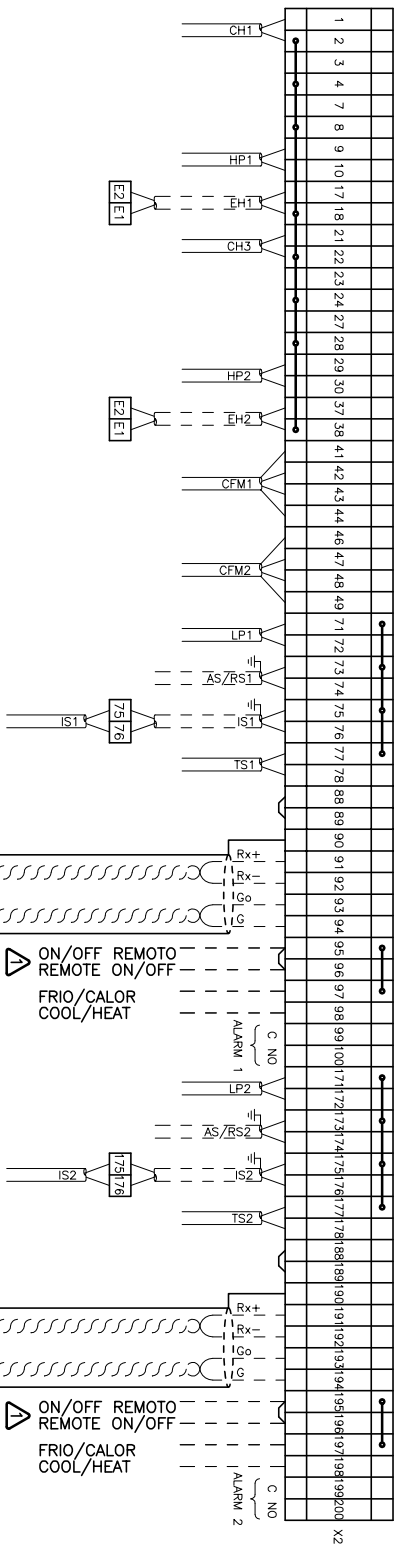
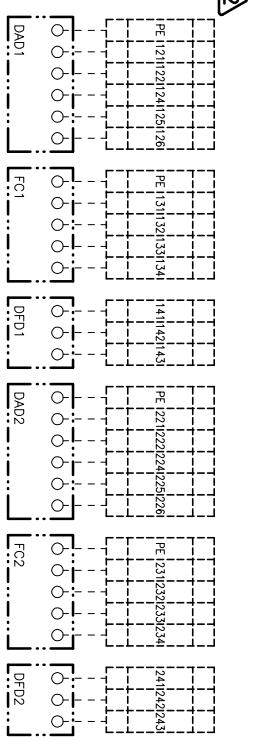
ESQUEMA ELECTRICO
WIRING DIAGRAM
SCHEMA ELECTRIQUE
SCHALTPLAN

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

%	Lemnox Refrac S.A.	ESQUEMA ELECTRICO ELECTRIC DIAGRAM	ANC52D2-64D2-76D2-86D2 (LECM+KNCM)	4Z-33-415-717 10J 3N ~ 400V 50Hz + PE
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0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95



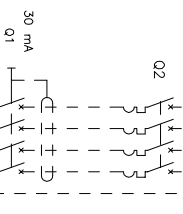
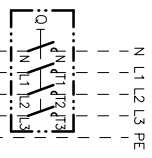
⚠ CABLE APANTALLADO
SCREEN WIRE

⚠ CABLE APANTALLADO
SCREEN WIRE

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

⚠ 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'OPTIONAL
DIESE ANSCHLUSSKLEMMEN SIND NUR MIT ZUBEHÖR VERFÜGBAR IHREM OPTIONAL

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



ALIMENTACION
POWER SUPPLY
ELECTRIQUE
STROMZULEITUNG

3N~400V 50Hz+PE

Elemento Opcional
Optional Element
Element optionnel
Optionales bauteil

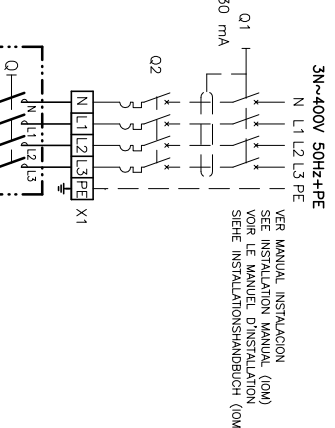
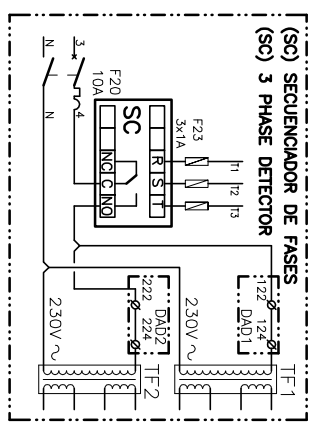
A realizar por el instalador
To wire by the installer
A câbler par l'installateur
Verdrahtung durch den installateur

1/9
Lemnox Refrac S.A.

ESQUEMA ELECTRICO
ELECTRIC DIAGRAM

ANCMS2D2-64D2-76D2-86D2
(LECM+KNCM)

4Z-33-415-717 10J
3N ~ 400V 50Hz + PE

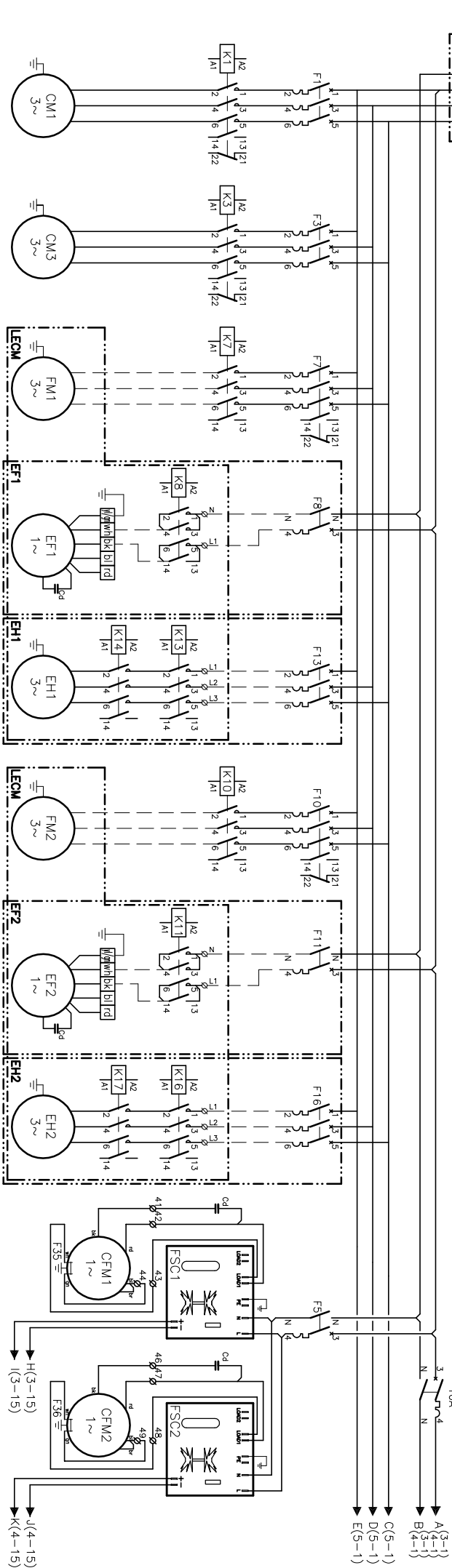


3N-400V 50Hz 4PPE
N L1 L2 L3 PE
VER MANUAL INSTALACION
SEE INSTALLATION MANUAL (10M)
VOIR LE MANUEL D'INSTALLATION
SIEHE INSTALLATIONSHANDBUCH (10M)

Im(CC)	10.8A
Iq(LRA)	1.6A
F	15.9A
Im(CC)	20A
Iq(LRA)	21.7A
F	25A

Im(CC)	10.8A
Iq(LRA)	1.6A
F	15.9A
Im(CC)	20A
Iq(LRA)	21.7A
F	25A

Im(CC)	10.8A
Iq(LRA)	1.6A
F	15.9A
Im(CC)	20A
Iq(LRA)	21.7A
F	25A



	STD	HIGH	STD	HIGH	3A	3A
ANCW Im(CC)	2.59A	3.45A	2.59A	3.45A	12A	12A
52D2 Iq(LRA)	1.3A	1.73A	1.3A	1.73A	10A	10A
ANCW F	2.5, 4A	2.5, 4A	2.5, 4A	2.5, 4A	3.4A	3.4A
64D2 Im(CC)	2.59A	3.45A	2.59A	3.45A	13.2A	13.2A
76D2 Iq(LRA)	1.3A	1.73A	1.3A	1.73A	10A	10A
ANCW F	2.5, 4A	2.5, 4A	2.5, 4A	2.5, 4A	3.4A	3.4A
86D2 Im(CC)	2.59A	3.45A	2.59A	3.45A	13.2A	13.2A
Iq(LRA)	1.3A	1.73A	1.3A	1.73A	10A	10A
ANCW F	2.5, 4A	2.5, 4A	2.5, 4A	2.5, 4A	3.4A	3.4A
86D2 Iq(LRA)	1.3A	1.73A	1.3A	1.73A	10A	10A
F	2.5, 4A	2.5, 4A	2.5, 4A	2.5, 4A	3.4A	3.4A

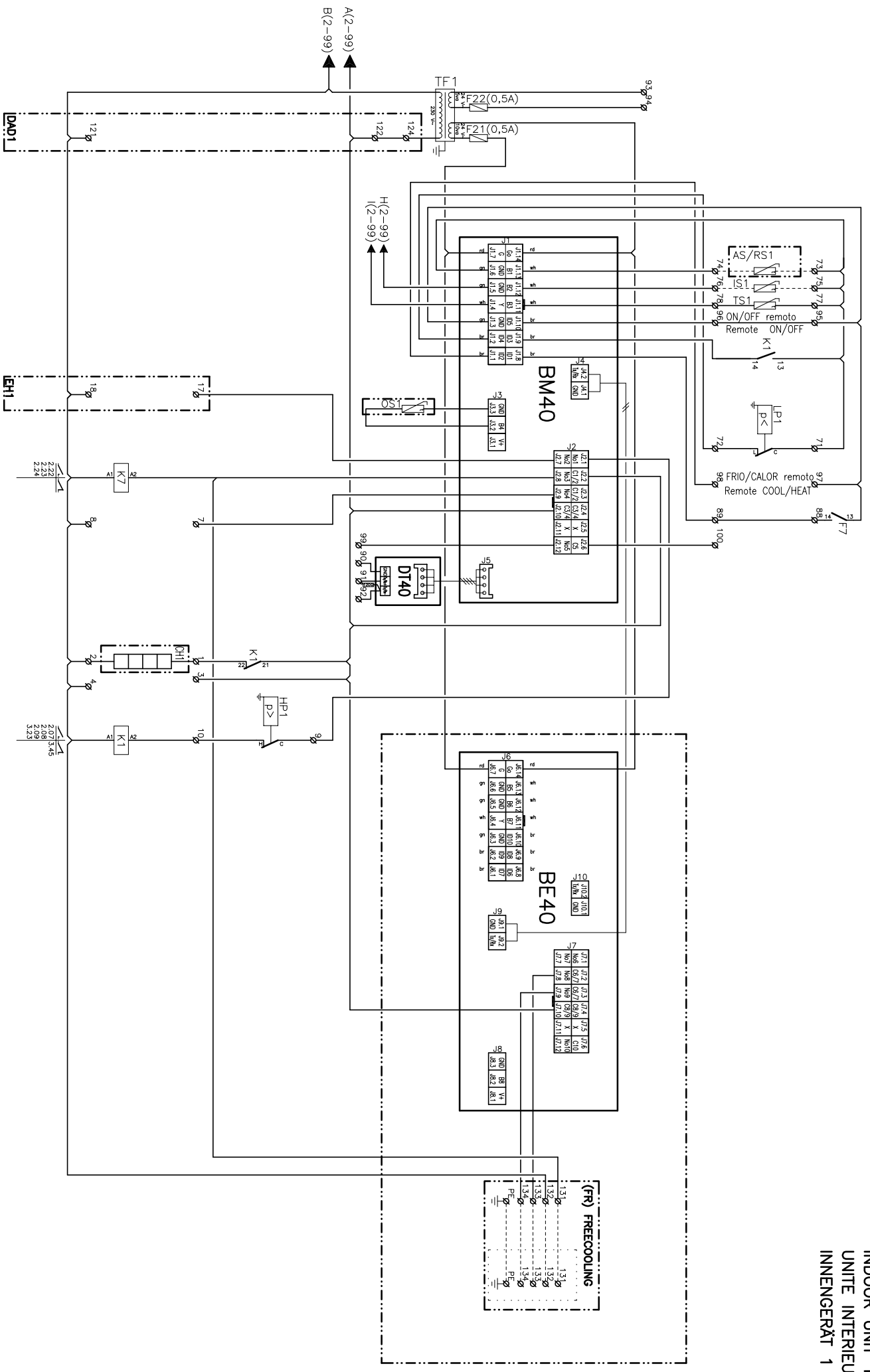
Elemento Opcional
Optional Element
Element optionnel
Optionales bauteil

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

2/9 Lemnox Refrac S.A. ESQUEMA ELECTRICO ANCM52D2-64D2-76D2-86D2 (LECM+KNCM) 4Z-33-415-717 10U 3N ~ 400V 50Hz + PE

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

UNIDAD INTERIOR 1
 INDOOR UNIT 1
 UNITE INTERIEUR 1
 INNENGERÄT 1



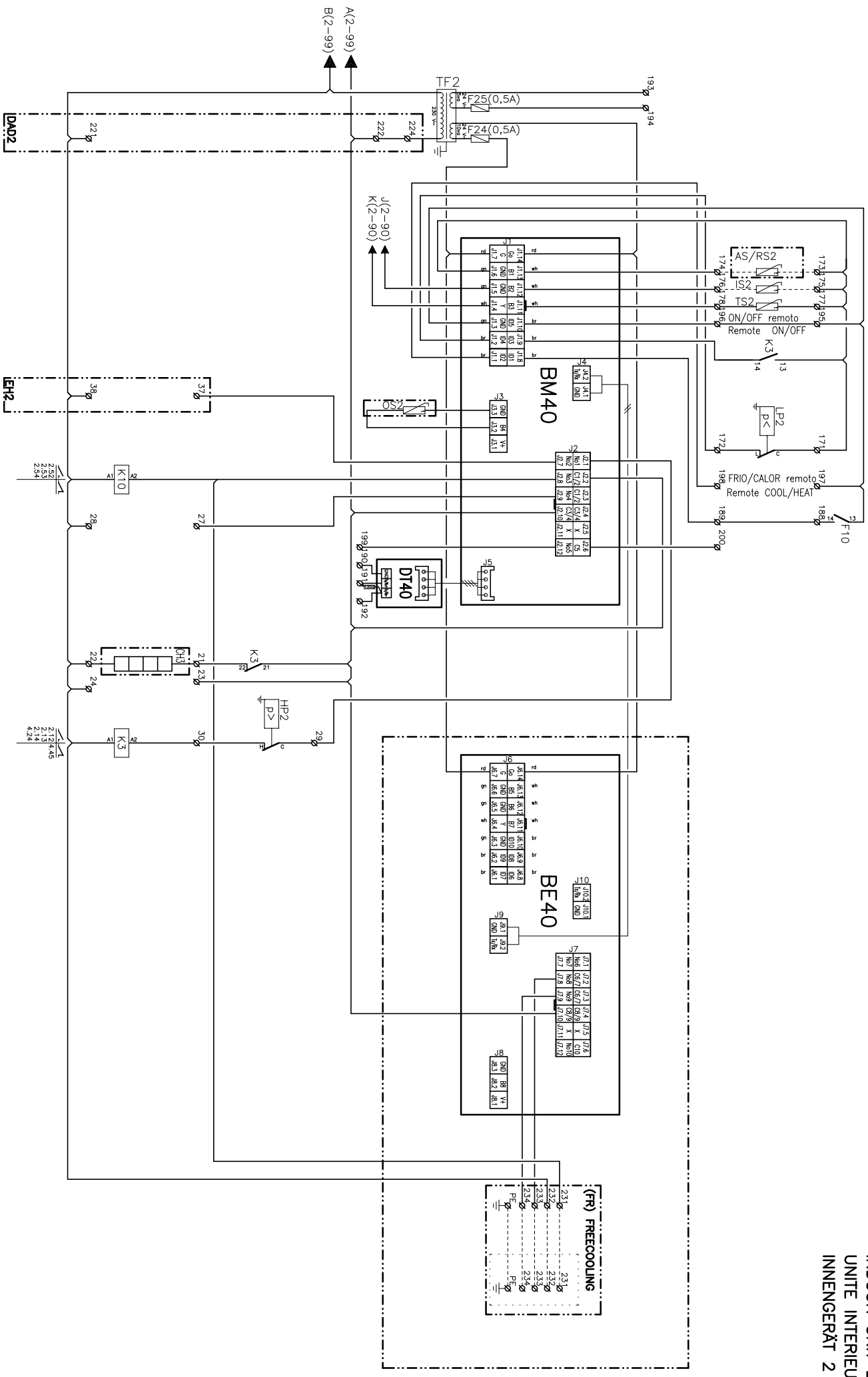
Elemento Opcional
 Optional Element
 Element optionel
 Optionales bauteil

A realizar por el instalador
 To wire by the installer
 A cobrir por l'instalador
 Verdrahtung durch den Installateur

3/9
 Lennox Refrac S.A.
 ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM
 ANCM52D2-64D2-76D2-86D2
 (LECM+KNCM)
 4Z-33-415-717 10U
 3N ~ 400V 50Hz + PE

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

UNIDAD INTERIOR 2
 INDOOR UNIT 2
 UNITE INTERIEUR 2
 INNENGERÄT 2



Elemento Opcional
 Optional Element
 Element optionel
 Optionales bauteil

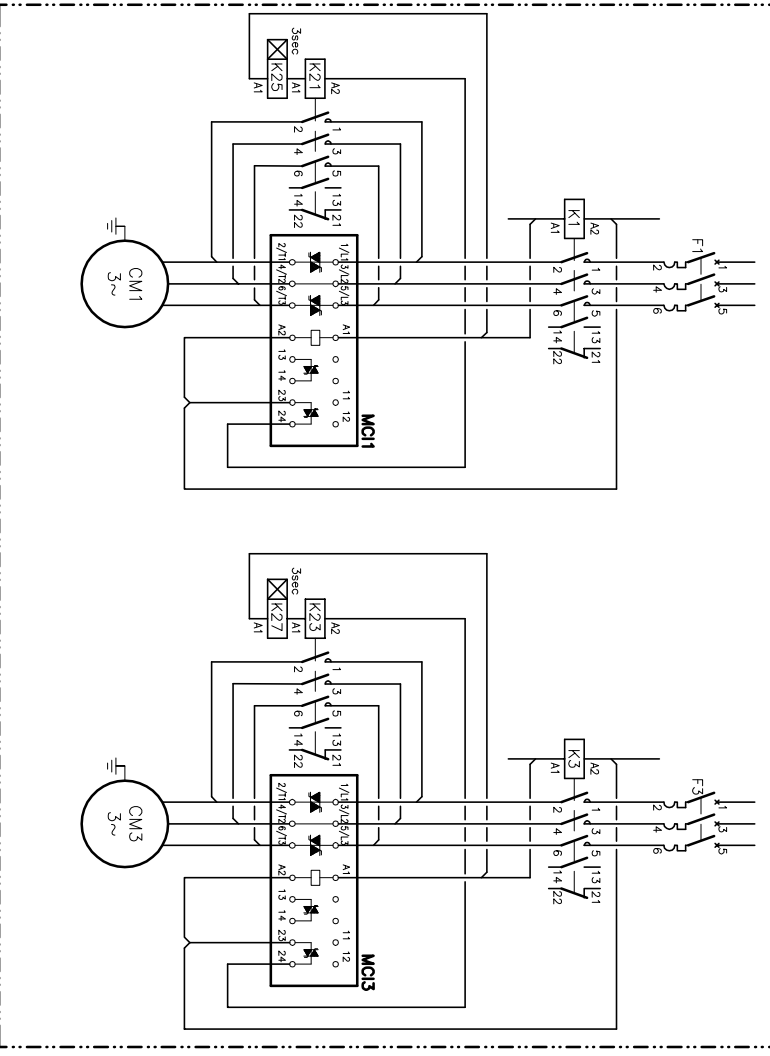
A realizar por el instalador
 To wire by the installer
 A cobrir por l'instalador
 Verdrahtung durch den Installateur

4/9
 Lennox Refrac S.A.
 ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM
 ANCM52D2-64D2-76D2-86D2
 (LECM+KNCM)

4Z-33-415-717 10U
 3N ~ 400V 50Hz + PE

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

(SFS) SOFT STARTED

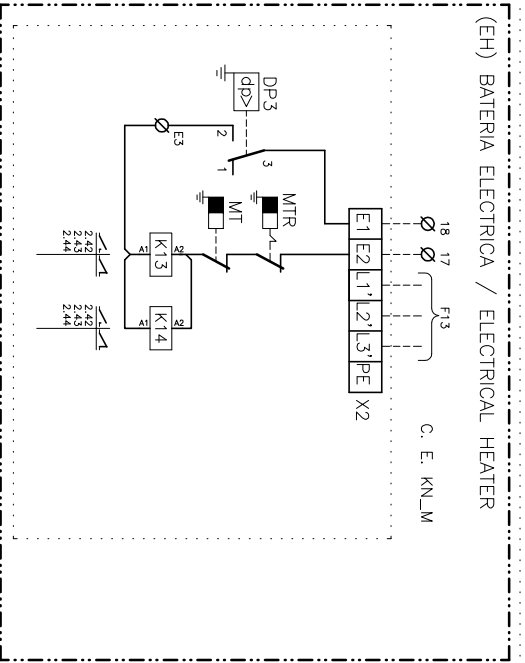


Elemento Opcional
 Optional Element
 Element optionnel
 Optionales bauteil

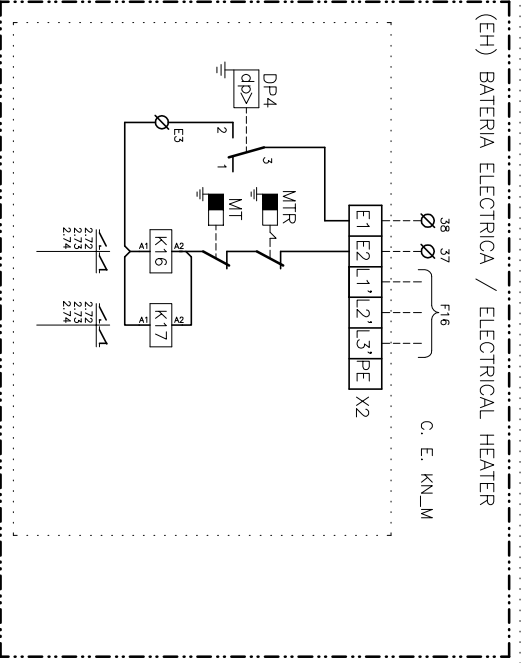
A realitzar per el instalador
 To wire by the installer
 A câbler par l'installateur
 Verdrahtung durch den installateur

5/9	Lemnox Refrac S.A.	ESQUEMA ELECTRICO ELECTRIC DIAGRAM	ANCM52D2-64D2-76D2-86D2 (LECM+KNCM)	4Z-3S-41S-717 10U 3N ~ 400V 50Hz + PE
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0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95



UNIDAD INTERIOR 1
INDOOR UNIT 1
UNITE INTERIEUR 1
INNENGERÄT 1



UNIDAD INTERIOR 2
INDOOR UNIT 2
UNITE INTERIEUR 2
INNENGERÄT 2

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

6/9

Lemnox Refrac S.A.

ESQUEMA ELECTRICO
ELECTRIC DIAGRAM

ANCM52D2-64D2-76D2-86D2
(LECM+KNGM)

4Z-3S-41S-717 10J
3N ~ 400V 50Hz + PE

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

UNIDAD INTERIOR 1/ INDOOR UNIT 1
 UNITE INTERIEUR 1/ INNENGERÄT 1

CUADRO PRINCIPAL/MAIN ELECTRICAL BOARD
 COFFRET ELECTRIQUE/HAUPTPLATINE

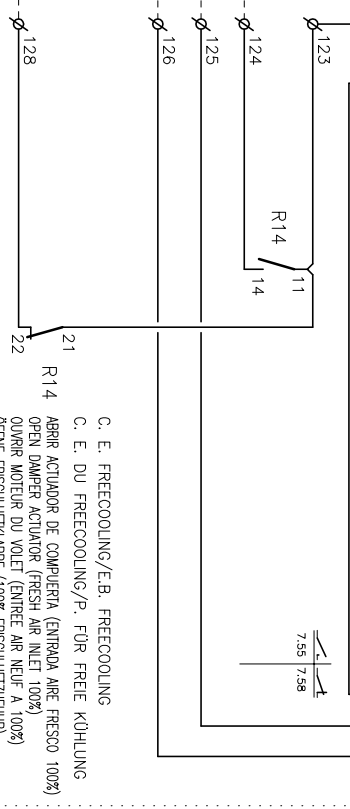
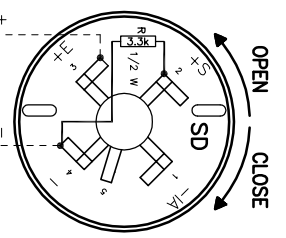
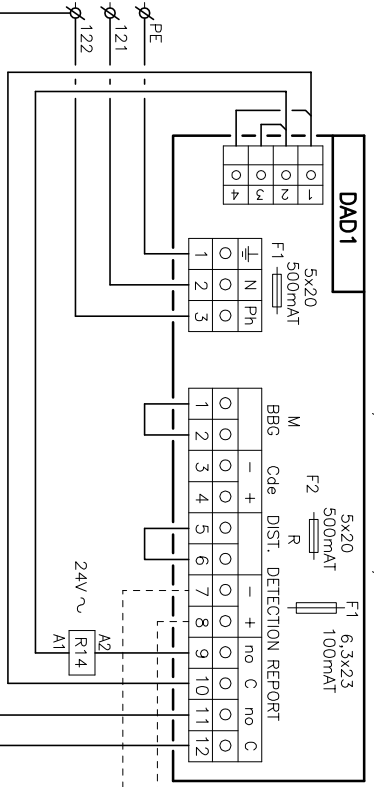
RETIRAR PUENTE SI SE MONTA DAD
 REMOVE LINK FOR DAD OPERATION
 RETIRER LE POND S'IL Y A DAD
 ENTFERNE DIE VERBINDUNG ZUM DAD

PARO UNIDAD
 SHUT-DOWN UNIT
 ARRÊT UNITE
 GERÄT ABSCHALTEN

SEÑAL DE ALARMA
 ALARM SIGNAL
 SIGNALISATION D'ALARME
 ALARMBELDUNG

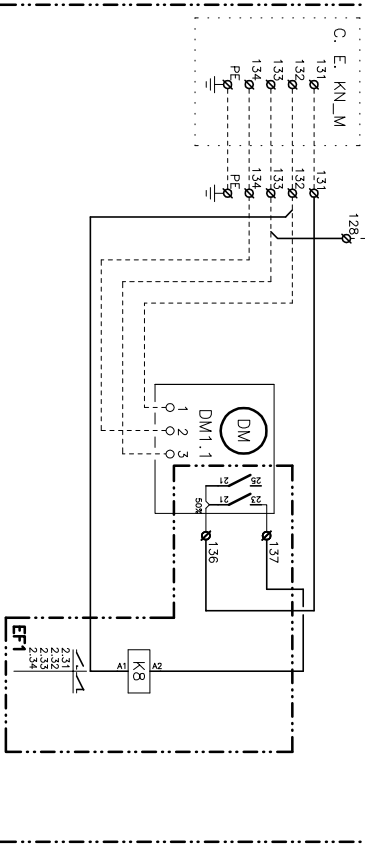


CUADRO ELECTRICO DAD/ELECTRICAL BOARD DAD
 COFFRET ELECTRIQUE DAD/PLATINE FÜR DAD/PRINT VOOR DAD

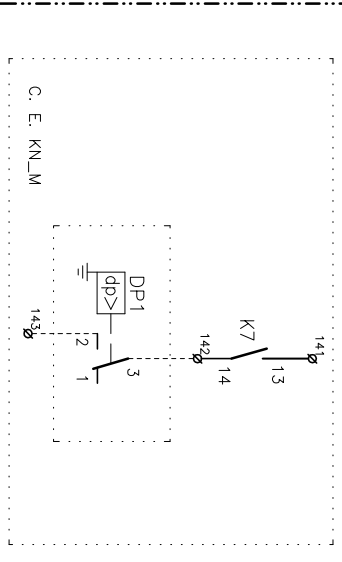


C. E. FREECOOLING/E.B. FREECOOLING
 C. E. DU FREECOOLING/P. FÜR FREIE KÜHLUNG
 ABRIR ACTUADOR DE COMPUSERIA (ENTRADA AIRE FRESCO 100%)
 OPEN DAMPER ACTUATOR (FRESH AIR INLET 100%)
 OUVRIER MOTEUR DU VOLET (ENTRÉE AIR NEUF A 100%)
 ÖFFNE FRISCHLUFKLAPPE (100% FRISCHLUFZUFUHR)

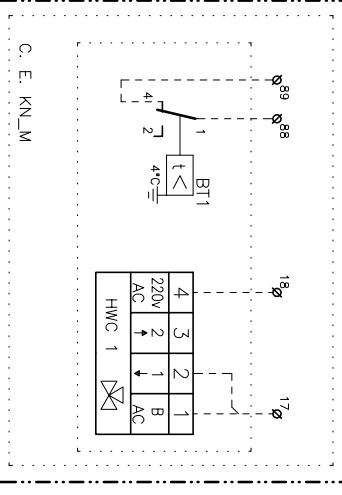
(FR) FREECOOLING



(DFD) DETECTOR FILTRO SUCIO
(DFD) DIRTY FILTER DETECTOR



(HWC) BATERIA AGUA CALIENTE
(HWC) HOT WATER COIL



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

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

UNIDAD INTERIOR 2/ INDOOR UNIT 2
 UNITE INTERIEUR 2/ INNENGERÄT 2

CUADRO PRINCIPAL/MAIN ELECTRICAL BOARD
 COFFRET ELECTRIQUE/HAUPTPLATINE

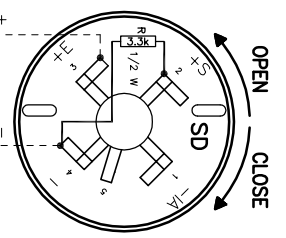
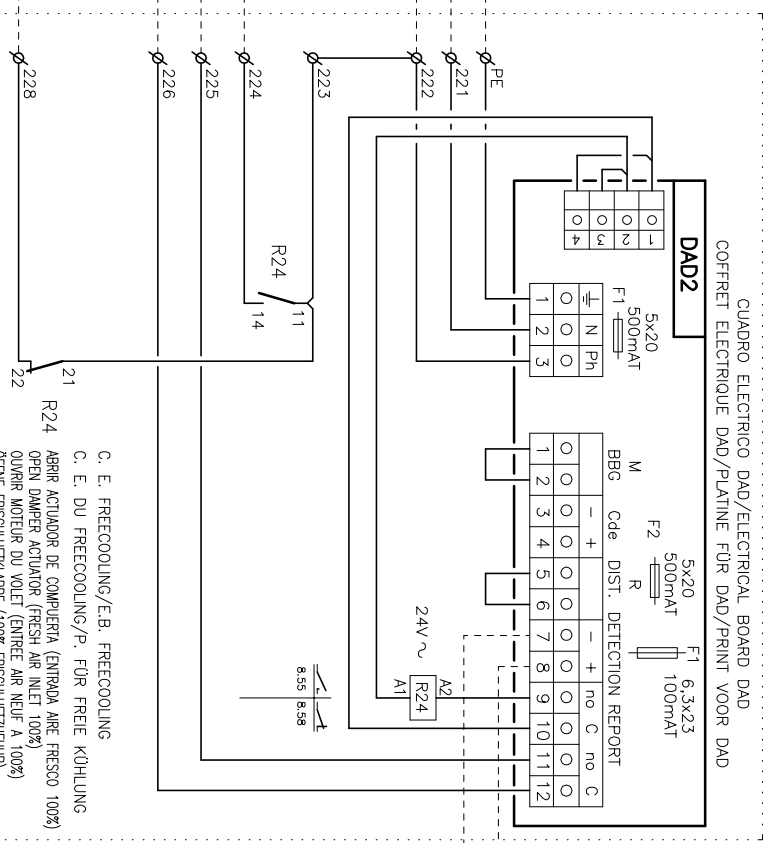
RETIRAR PUENTE SI SE MONTA DAD
 REMOVE LINK FOR DAD OPERATION
 RETIRER LE POND S'IL Y A DAD
 ENTFERNE DIE VERBINDUNG ZUM DAD

PARO UNIDAD
 SHUT-DOWN UNIT
 ARRÊT UNITE
 GERÄT ABSCHALTEN

SEÑAL DE ALARMA
 ALARM SIGNAL
 SIGNALISATION D'ALARME
 ALARMELDUNG

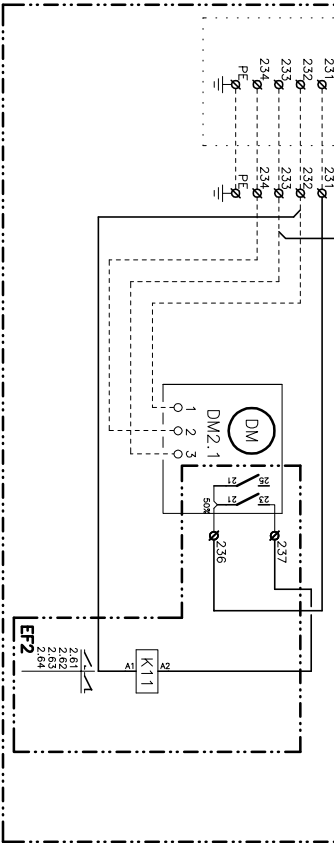
Ø-224
 Ø-225
 Ø-226

Ø-PE
 Ø-221
 Ø-222



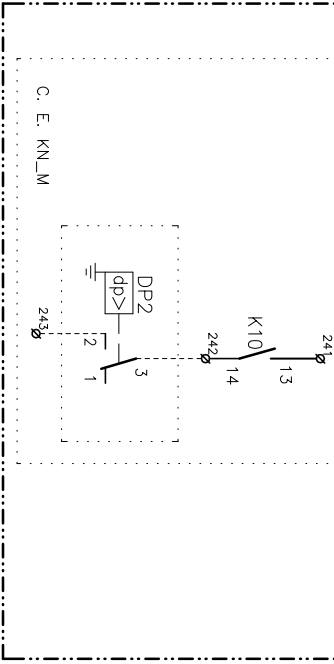
(FR) FREECOOLING

C. E. KN_M



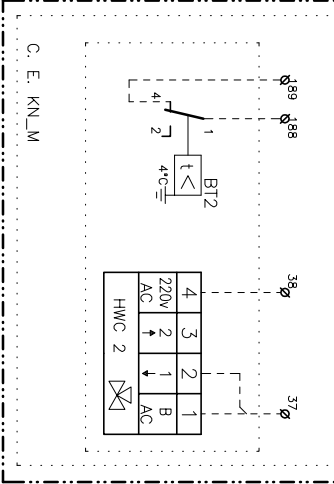
(DFD) DETECTOR FILTRO SUCIO
(DFD) DIRTY FILTER DETECTOR

C. E. KN_M



(HWC) BATERIA AGUA CALIENTE
(HWC) HOT WATER COIL

C. E. KN_M



Elemento Opcional
 Optional Element
 Element optionel
 Elementes bautteil

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

8/9

Lemnox Refrac S.A.

ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM

ANCMS2D2-64D2-76D2-86D2
 (LECM+KNCM)

4Z-33-415-717 10U
 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																			
	LEGENDE																			
AS/RS BM40	Sonda temperatura ambiente remoto	Ambient remote sensor	Sonde temp. à distance	Umgebungstemperaturfühler																
Cd	Modulo logico	Logic Module	Module de Control	Logik Modul																
CH	Condensador	Capacitor	Condensateur	Kondensator																
CM	Resistencia de carter	Crankcase heater	Resistance de carter	Kurbelwärmehheizung																
CFM	Motor ventilador exterior	Compressor fan motor	Motor ventilateur extérieur	Kondensatorlüftermotor																
DAD	Motor compresor	Compressor motor	Compresseur	Kompressor																
DM	Control deteccion de humos	Smoke detection control	Détecteur fumées	Ausleseinheitrauchmelder																
DPT	Servomotor compuerta	Damper actuator	Servomoteur registre	Klappenantrieb																
DI40	Detector filtros sucios	Dirty filter detector	Détecteur filtres encrassés	Differenzdruckwächter																
EF	Modulo TTL-485	TTL-485 Module	Module de TTL-485	TTL-485 Modul																
EH	Ventilador de extraccio	Exhaust fan	Ventilateur d'extroction	Abtufflüter																
F1-7	Bateria eléctrica	Electrical heater	Résistance électrique	Heizstufe																
F20	Magneto térmico	Circuitbreaker	Disjoncteur	Motor/SchutzSchalter																
F21-22-23	Fusible del TF1-SC	FF-1-SC fuse	Fusible TF1-SC	Motor/SchutzSchalter																
F31-34	Módulo protección compresor	Compressor protector module	Module protection du compresseur	Therm. Kompresorrelais																
F35-36-38-39	Protección térmica	Thermal protection	Protection thermique	Therm. Relais																
FC	Freecooling	Freecooling	Freecooling	Freie-Kühlung																
FM	Motor ventilador interior	Indoor fan motor	Motor ventilateur intérieur	Innenventilatormotor																
FSC	Control de condensación	Fan speed control	Variateur de vitesse du ventilateur	Kondensationsdruckregelung																
HP1-2	Presostato de alta	High pressure pressostat	Pressostat HP	Hochdruckpressostat																
HPRL1-2	Presostato CPC	CPC pressure switch	Pressostat du control de pression condensation	Kondensationsdruckregelungpressostat																
HWC	Bateria agua caliente	Hot Water Coil	la bobine de l'eau chaude	---																
lq(LRA)	Intensidad de arranque	Starting current	Intensité de démarrage	Anlaufstrom																
lm(MCC)	Intensidad máxima	Maximum current	Intensité maximal	Maximale stromstärke																
IS1-2	Sonda temperatura batería interior	Indoor coil temperature sensor	Sonde temp. batterie interieures	Temperaturfühler Verdampfer 1																
K	Contacto	Contact	Contacteur	Schutz																
LD	Kit larga distancia tubería	Kit piping long distance	Kit longues distances tuyauterie	Kit für lange Leitung																
LP1-2	Presostato baja	Low pressure pressostat	Pressostat BP	Niederdruckpressostat																
MT	Termostato seguridad (70°C automático)	Safety thermostat (open 70° autom. reser)	T. securité (70°C automatique)	Sicherheitsther. (70° automatisch)																
MTR	Termostato seguridad (105°C manual)	Safety thermostat (open 105° manu. reser)	T. securité (105°C manuel)	Sicherheitsther. (105° manuell)																
OS	Sonda temperatura exterior	Outdoor temperature sensor	Sensur extérieure du température	Außertemperaturfühler																
PT1-2	Transductor de presión refrigerante	Refrigerant pressure transducer	Transducteur de pression	Drucktransmitter																
O	Interruptor general	Main switch	Interrupteur général	Hauptschalter																
Q1	Interruptor diferencial	Ground safety switch	Interrupteur différentiel	Schalter																
Q2	Interruptor magneto térmico	Circuit breaker	Interrupteur magneto thermique	Motor/SchutzSchalter																
R1-20	Relé auxiliar	Auxiliary relay	Relais auxiliaire	Hilfsrelais																
RC	Control Remoto	Remote Control	Contrôleur de Débit	Stromungswächter/SchwimmSchalter																
RFM	Ventilador de retorno	Return Fan Motor	Ventilateur de reprise	Rückluftlüftermotor																
SC	Relé control de secuencia-fallo de fases	Phase sequence and failure control relay	Détecteur de phases	Phasenfolgerüberwachung+Störmel																
SD	Sensor detector de humos	Smoke detection sensor	Tête de détection de fumées	Rauchmelder																
SFS	Arrancador suave	Soft starter	Démarreur progressif	Softstarter/Sanftanlauf																
SV	Válvula solenoide	Solenoid valve	Vanne solénoïde	Magneventil																
TF1-2	Transformador	Transformer	Transformateur	Transformator																
TS1-2	Sonda temperatura condensacion	Condensing temperature sensor	Sonde temp. condensation	Temperaturfühler Kondensator 1																
bk	CODIGO DE COLORES																			
br	COLOUR CODE																			
rd	CODE COLEUR																			
or	FARBKENNUNG																			
yl	negro	black	noir	schwarz																
gn	marón	brown	brun	braun																
bl	rojo	red	rouge	rot																
vi	naranja	orange	orange	orange																
gr	amarillo	yellow	jaune	gelb																
wh	verde	green	vert	grün																
	azul	blue	bleu	blau																
	violeta	violet	violet	violett																
	gris	gray	gris	grau																
	blanco	white	blanc	weiss																

9/9

Lemnox Refrac S.A.

ESQUEMA ELECTRICO
ELECTRIC DIAGRAM

ANCMS2D2-64D2-76D2-86D2
(LECM+KNCM)

4Z-33-415-717 10J
3N ~ 400V 50Hz + PE