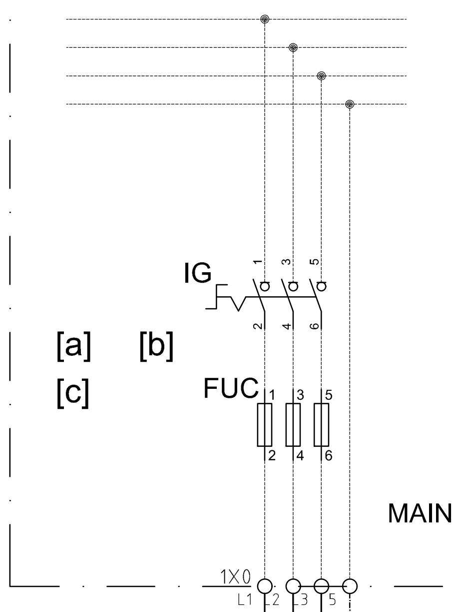
Customer's Installation

For indirect contact protection, the safety condition must be verified at the installation place. Additional protection devices may result as necessary (for example residual current device).
Suitable to be connected in a TN, TT and IT power supply network.

MODEL	COMPULSORY INSTALLATION AT CUSTOMER CARE. Fuses FUC.	SIZE OF SUPPLY LINE CABLE [Max temperature 90°C] TYPE XLPE or EPR Max lenght=7m
E15	16A gG	4X1,5mm²
E16	20A gG	4X1,5mm²
E17	25A gG	4X2,5mm²
E17,5	32A gG	4X4mm²
E18	32A gG	4X4mm²
E18,5	40A gG	4X4mm²
E19	40A gG	4X4mm²
E20	40A gG	4X6mm²
E21	40A gG	4X10mm²
E22	50A gG	4X10mm²



CHECK ALL ELECTRICAL CONNECTIONS TIGHTENING according with table below EACH YEAR OR EACH 4000 WORKING HOURS depending on the first elapsed service interval.

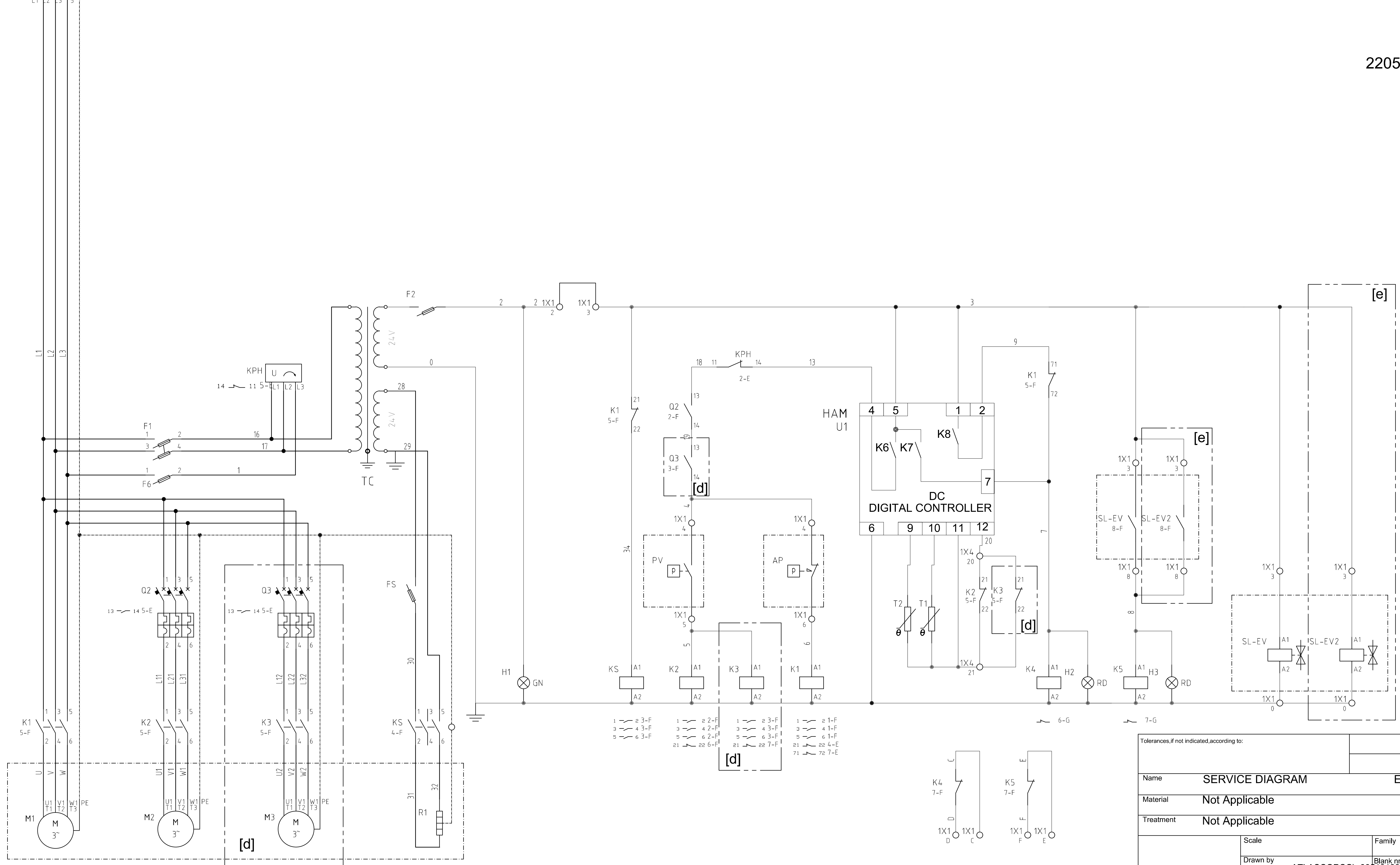
Tightening Torque

Contactor terminal	M3.5	M4	M6	M8
Main Recomm. Torque [Nm]	1.5	2.5	4.0	6.0
Aux Recomm. Torque [Nm]	1.2	1.2	1.2	1.2
Transformer	T1			
Recomm. Torque [Nm]	0.5-1.0			

NOTES

- [a] Maximum fuses with regard to short circuit protection of starter. Cable section might impose fuses of smaller value. For indirect contact protection, the safety condition must be verified at the installation place.
- [b] Max cable length from protection (FU) to the unit: 23ft (7m). IG size >= 1.25xFLA
- [c] For field wiring: use copper wire only
- [d] Q3, K3 and M3 only for codes 2205024504-5-6
- [e] Only for codes 2205024505-6 02

2205024510 LIST OF ELECTRICAL MATERIALS



ELECTRICAL LEGEND

SU	Disconnector switch (Customer installation)
FU	Dryer protection fuses (Customer installation)
M1	Refrigerant Compressor motor
M2-M3	Fan motor
K1	Compressor motor contactor
R1	Crankcase heater
1X1	Terminal block
1X0	Power terminal block
K2-K3	Fan contactor
KS	Heater contactor
Q1-Q2	Fan motor protection
SL-EV	Drain Valve
SL-EV2	Drain Valve
TC	Control transformer
F1-F6	Primary transf. fuses
F2	Secondary control circuit transf. fuses
FS	Secondary heater transf. fuses
H1	Voltage presence lamp
H2	High pressure fault lamp
H3	Drain fault lamp
PV	Fan pressure switch
AP	High pressure switch
T1	Temperature sensor P2 NTC - PDP
T2	Temperature sensor P3 PTC - Compr. temp.
K4	Aux relay
K5	Aux relay
KPH	Phase sequence control switch

Note	Position	Modified from	Date	Intr./Appd.
02		Note corrected - CID28341, DN22054154	21/12/2022	D.Rizzotti

Tolerances,if not indicated,according to:

Name: SERVICE DIAGRAM — E15-22 - 400V 50Hz / 460V 60Hz CE
Material: Not Applicable
Treatment: Not Applicable

Confidentiality class acc. to 1102 K: Internal
ACDE

Scale | Family | Compare | Drawing owner | Transferred from: ITJ
Drawn by: ATLASCOPCO\a00519193 | Blank nr. | Replaces
Drawing format: A2 | Blank wt.: - Kg | Fini wt.: Kg | Designation | Sheet ( ) 01 01
STATUS: Approved Internal | Des checked. | Prod checked. | Approved. | Date: 28/07/2022 09:26:36

Parent 3D Model | Ed.Version 3D

2205024500