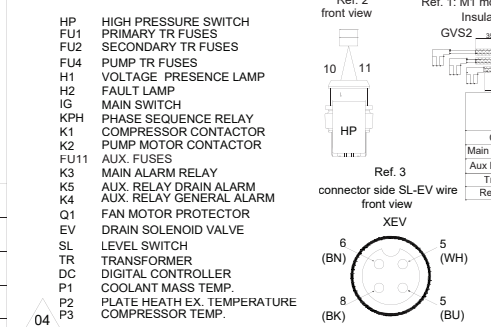


Cable for	Length [mm]	Cable Type	IDENTIF.	Side A	Side B	Notes	
		WIRE		L1 [mm]	L2 [mm]	Terminal type	
MAIN SUPPLY	4000	AWG14 4G2.5	L1-L2-L3-GND	80	80	4x KE2508ST	LISTED MTW 90°C ***
COMPR. MOTOR M1	2200	AWG14 4G2.5	U-V-W-GND	70 U(BK) 95 V(BN) 40 W(GR) 800 PE	150	3X BN-FAB608 1x S2.5-M4	See ref. 1 min bending radius for GND 5 mm. Style Z587 or Z550 or Z1098 or Z1216 or Z1089 or Z464 or equivalent
FAN MOTOR M2	1120	AWG14 4G2.5	U1-V1-W1-GND	80	120	4x KE2508ST	Style Z587 or Z550 or Z1098 or Z1216 or Z1089 or Z464 or equivalent
PRESSURE SWITCH HP	900	AWG18 2x1	10-11	50	80	2x KE110 HP See ref.2	
PUMP MOTOR M3	-	AWG14 black - Ye/Gr	V4-V6-GND	-	50	2x RF-F608P (6-2) + 2x BF-F608P (6-5) + 160831-3-XP	STYLE 1015 t=90°C
SIGNAL LAMP	500	AWG18 1mm² red	2-6-5-6	-	-	2xRF-F608P (6-2) + 2xBF-F608P (6-5)	STYLE 1015 t=90°C
DOOR EARTH CONN.	450	AWG14 2.5mm² Ye/Gr	-	-	-	S2.5-M6	STYLE 1015 t=90°C
PANEL EARTH CONN.	200	AWG14 6mm² Ye/Gr	-	-	-	S2.5-M6	STYLE 1015 t=90°C. Connected only to the door
DIGITAL CONTROLLER X5	250	AWG18 1mm² red	4-5-6-7	-	-	4xBN-FAR608 + X5	STYLE 1015 t=90°C. Supply loose
CONTROL WIRING	250	AWG18 1mm² red	-	-	-	-	STYLE 1015 t=90°C
PROBE KIT	250	-	-	-	-	-	Lex P1:650mm, P2:650mm, P3: 1070mm
DIGITAL CONTROLLER FC	250	AWG18 1mm² red	5-2	-	-	2xRF-F608P	STYLE 1015 t=90°C
SOL VALVE SL-EV	1250	4G0.34	6-5-5-8	-	120	-	CYIV Cable Assemblies See ref. 3
EARTH BONDING	-	AWG14 2.5mm² yellow/green	-	-	-	-	STYLE 1015 t=90°C
POWER CIRCUIT RACEWAY UL RECOGNIZED (EG. IBOCO T1-E, T1-EV, ..., H=40	-	AWG14 2.5mm² black	-	-	-	-	STYLE 1015 t=90°C

*** Power supply line must be protected by a raceway (duct) or an approved conduit system



Ref. 1: M1 motor cable - Motor side
Ref. 2: Insulation for terminal
Ref. 3: connector side SL-EV wire

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 terminal	TR			
Recomm. Torque [Nm]	0.5-1.0			

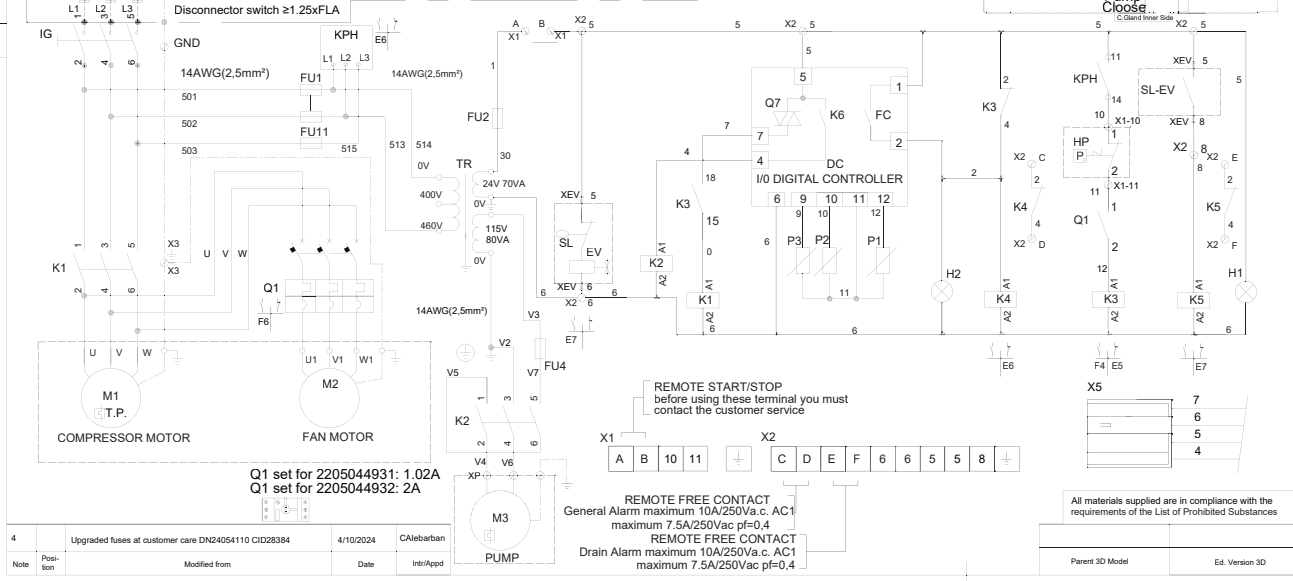
NOTE:
- All wires shall be marked with identification tag.
- All components shall be marked with identification tag.
- Wire harness shall be UL certified according to CCN ZPFV2-ZPFV8

Size	J type	RKS type
T150	LPJ-85P	FRS-R-8
T190	LPJ-105P	FRS-R-10
T240	LPJ-125P	FRS-R-12
T300	LPJ-155P	FRS-R-15

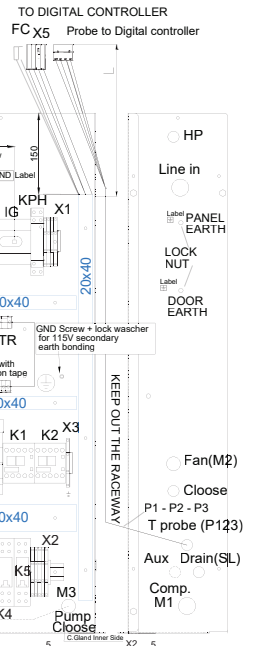
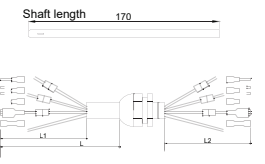
COMPULSORY INSTALLATION AT CUSTOMER CARE.

Supply Voltage [V]	Largest motor FLA [A]	J or RKS fuses [A]
T150 460V/3/60	4.8	3.4
T190 460V/3/60	5.7	3.9
T240 460V/3/60	6.5	4.2
T300 460V/3/60	7.9	5.6

Disconnect switch (DSC) + time delay fuses (FU)
14AWG(2.5mm²) FU1, FU2, FU3, FU4, FU5, FU6, FU7, FU8, FU9, FU10, FU11



Note	Position	Modified from	Date	Intr/Appd
4	Upgraded fuses at customer care DN24054110 CID28384		4/10/2024	CAlebarban



ID	Description	Type	Manuf.	Code	Quant.	Notes
IG	MAIN SWITCH	OT25F3	ABB	1089949843	1	
	SHAFT	OX56X180	ABB	1089949859	1	
	HANDLE	OHY53AH1	ABB	1089949852	1	
H1	SIGNAL LAMP 24V GREEN cURus	33U.5		1089959512	1	loose in a
H2	SIGNAL LAMP 24V RED cURus	33U.5		1089959513	1	plastic bag
K1	CONTACTOR	3RT2015-1AB02	SIEMENS	1089943844	1	
K2	CONTACTOR	3RT2015-1AB02	SIEMENS	1089943844	1	
	M2 MOTOR PROTECTION	3RV2011-0KA10 (0.9...1.25A)	SIEMENS	1089926725	1	
Q1	AUX. CONTACT BLOCK	3RV2901-1E	SIEMENS	1089926756	1	
	TYPE E COVER	3RV2928-1K	SIEMENS	1089926791	1	
K4-K5	AUX RELAY	HR501CA024	LOVATO	1089960732	2	
	AUX RELAY BASE	HR5X521	LOVATO	1089935808	2	
K3	AUX RELAY (ALARM)	3RH2131-1AB0	SIEMENS	1089942185	1	
TR	POWER TRANSFORMER	460V/24V 70VA, 115V 80VA UL		2204263072	1	
FU1	FUSE	FNQ-R 1A (CC time delay)		1089916836	2	
	FUSE HOLDER	BCC 2x38		1089959406	1	
FU2	FUSE	5x20 3A GMD-3 (24V)		1089916879	1	
	FUSE HOLDER	SFR-A	CABUR	1088151038	1	
	FUSE HOLDER PLATE	SFR-4/GR	CABUR	1088151039	1	
FU4	FUSE SECONDARY	FNQ-R 1A (CC time delay)		1089916836	1	
	FUSE HOLDER	BCC 1x38		1089959405	1	
FU11	CONTROL FUSE	KTk or ATM 1A		1089916817	1	
	FUSE HOLDER	BCH 1x38		1089959401	1	
X1	TERMINAL	HMM 2/2+2/GR	CABUR	1088151036	4	
	END PLATE	HMT 2/2+2/P/GR	CABUR	1088151015	1	
	END STOP	249-116	WAGO	1088003181	2	
X2	TERMINAL	HMM 2/2+2/GR	CABUR	1088151036	7	
	END PLATE	HMT 2/2+2/P/GR	CABUR	1088151015	1	
	END STOP	249-116	WAGO	1088003181	2	
X3-X3	GROUND TERMINAL	HTE 2/2+2	CABUR	1088151011	2	
	END PLATE	HMT 2/2+2/P/GR	CABUR	1088151015	2	
GND	GROUND EARTH SCREW	M6			2	
	CABLE GLAND (SUPPLY LINE)	M25x1.5		0698514117	2	1xloose
	NUT	M25x1.5		0697980954	2	
	CABLE GLAND (M1)	M25x1.5 STR		0698514122	1	1xloose
	NUT	M25x1.5		0697980954	1	
	CABLE GLAND (M2)	M20x1.5		0698514121	1	
	NUT	M20x1.5		0697980953	1	
	CABLE GLAND (M3)	M20x1.5		0698514121	2	
	PLUG FOR C.GLAND (M3)	TCP25		-	1	
	NUT	M20x1.5		0697980953	3	
	CABLE GLAND (HP, SL-EV, P123)	M16x1.5		0698514123	2	
	NUT	M16x1.5		0697980920	3	
	PLUG (TP)	1053M16	CEMBRE		1	
	NUT	M16x1.5		0697980920	1	
	BOX	-		2204255890	1	
	PRINTED DOOR RAL7035	Drawing rev 01 or greater		2204255941	1	
	FUSES LABEL			2204263053	1	DOOR
	LABEL ELECTRICAL EQUIPMENT			2204263063	1	LOOSE
	C.B. MAINTENANCE LABEL			2202873105	1	DOOR
POR	SEAL	8x8		2204212701	2m	
KPH	PHASE SEQUENCE RELAY	DPA 51 C M44	GAVAZZI	1089957516	1	
	CONNECTOR FEMALE	282080-1		1088001127	1	
HP	SEALING PLUG	282994-3	AMP	1088001153	2	
	TERMINAL	282110-1	AMP	0694528533	2	
XEV	CABLE ASSY FOR SL-EV	X2 CP 114112 (L=2m)	TELEMECANIQUE	1088002120	1	
GVS1	INSULATION FOR TERMINAL	GVS12KV1.5	ELEKTROZUBEHOR	--	1	L=50 mm
GVS2	INSULATION FOR TERMINAL	GVS12KV1.5	ELEKTROZUBEHOR	--	3	L=2x35mm + 1x25mm
	PROBE KIT T MASS (P1+P2+P3)			2204263031	1	
X5	CONNECTOR	63N040	CS	1088003857	1	
	GLOSSARY	2200772335			1	
	SERVICE DIAGRAM	A3 FORMAT		2205044930	2	
	M2 CONDUIT	ECGFE16N Diam 16 Black	ELETTROCANALI	--	360mm	loose
	M2 CONDUIT GLAND	ECGX16MN M20 Black	ELETTROCANALI	--	2	loose
XP	PUMP CABLE CONNECTOR	PA21		2203080501	3	

General tolerances if not indicated according to: 1350K - v

Name: SERVICE DIAGRAM TMC 0320-0635 N 460V/60Hz UL Confidentiality class: acc. to 1102 K

Material: See Drawing Internal

Treatment: Not Applicable ACDE

Scale: A2 Compare

Drawn by: CAlebarban Blank rr. Replaces: ITJ

Version Dwg: Blank wt. Kg Fin wt. 0.100 Kg Designation: Sheet () 01 01

Released: Des checked, Prod checked, Approved, Date: 3/21/2024

Parent 3D Model: Ed. Version 3D

2205044930-01

CONFIDENTIAL - This document is the property of the manufacturer and its contents are not to be disclosed to anyone without the manufacturer's written permission.