

SH	DWGDESC
01	INDEX
02	POWER CIRCUIT MAIN MOTOR
03	POWER CIRCUIT DRYER
04	SUPPLY CONTROL CIRCUIT
05	CONTROL CIRCUIT
06	REGULATOR Mk5
07	INPUT CONNECTIONS 2X27
08	LEGEND
09	LEGEND
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INSTALLED	OPTIONAL COMPONENT
	B1 : Electronic water drain(EWD)
	K25: Phase sequence relay
	Integrated dryer A1:
	Y2: Solenoid SD dryer
	A2: CD Dryer
	Upgrade to MarkV graphic
	Smartbox E2



MAIN POWER SUPPLY

VOLTAGE : V
FREQ : Hz PH

MAX FUSE [A] CSA/UL ONLY

CSA : HRC Form II
..... A
UL : Class K5
..... A

MAX FUSE [A] IEC ONLY

IEC : Class gL/gG
..... A

SETTING

F21	... A
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MOTORDATA

M1	kW	HP	SF :
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DRYER

A1	W	HP
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All materials supplied are in compliance with the requirements of the List of Prohibited Substance

Name	DIAGRAM SERVICE		SERVICE SF1-6+ (ELEKTRONIKON)		Secrecy Class	
Material	SEE DRAWING				1102 K/ 2	
Treatment	See Drawing				ACD	
Scale	--:		Family	A3	Compare	
	Drawn by ikohale		Blank nr.		Replaces	
Version Drwg	04	Blank wt.	0 Kg	Fin wt.	0 Kg	Designation
STATUS	Approved		Des checked.	Prod checked.	Approved.	Date
Note	Position	Modified from	Date	Intr./Appd.	Parent 3D Model	Ed.Version 3D

9828 4505 99

Sheet 01 (10

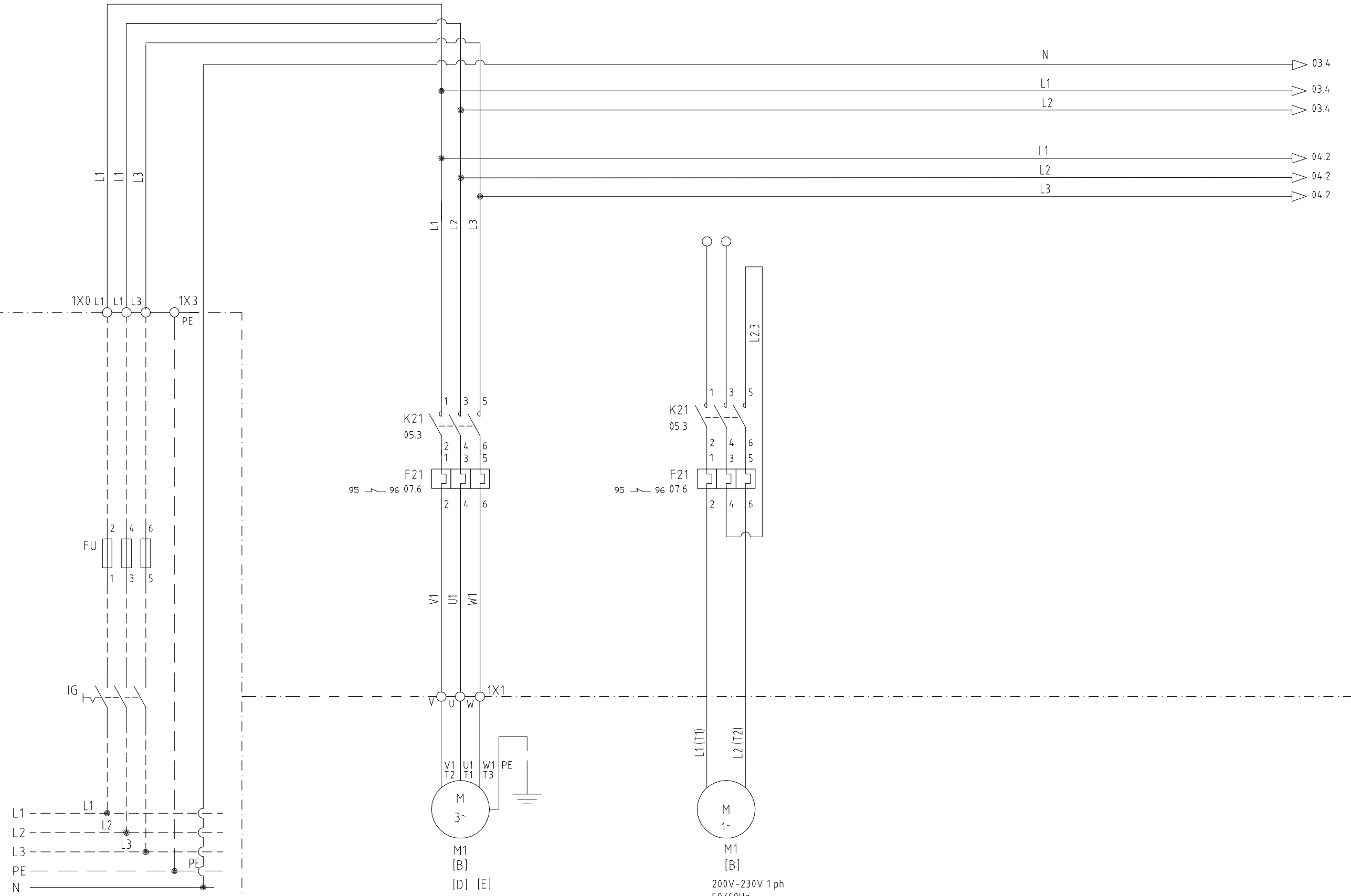
Confidential

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04		Removed K11, T21 and the fuses F7/F8/F9/F10 from the optional component list	2015-05-11	BPCS/MSK			
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1 2 3 4 5 6 7 8 9 10

A
B
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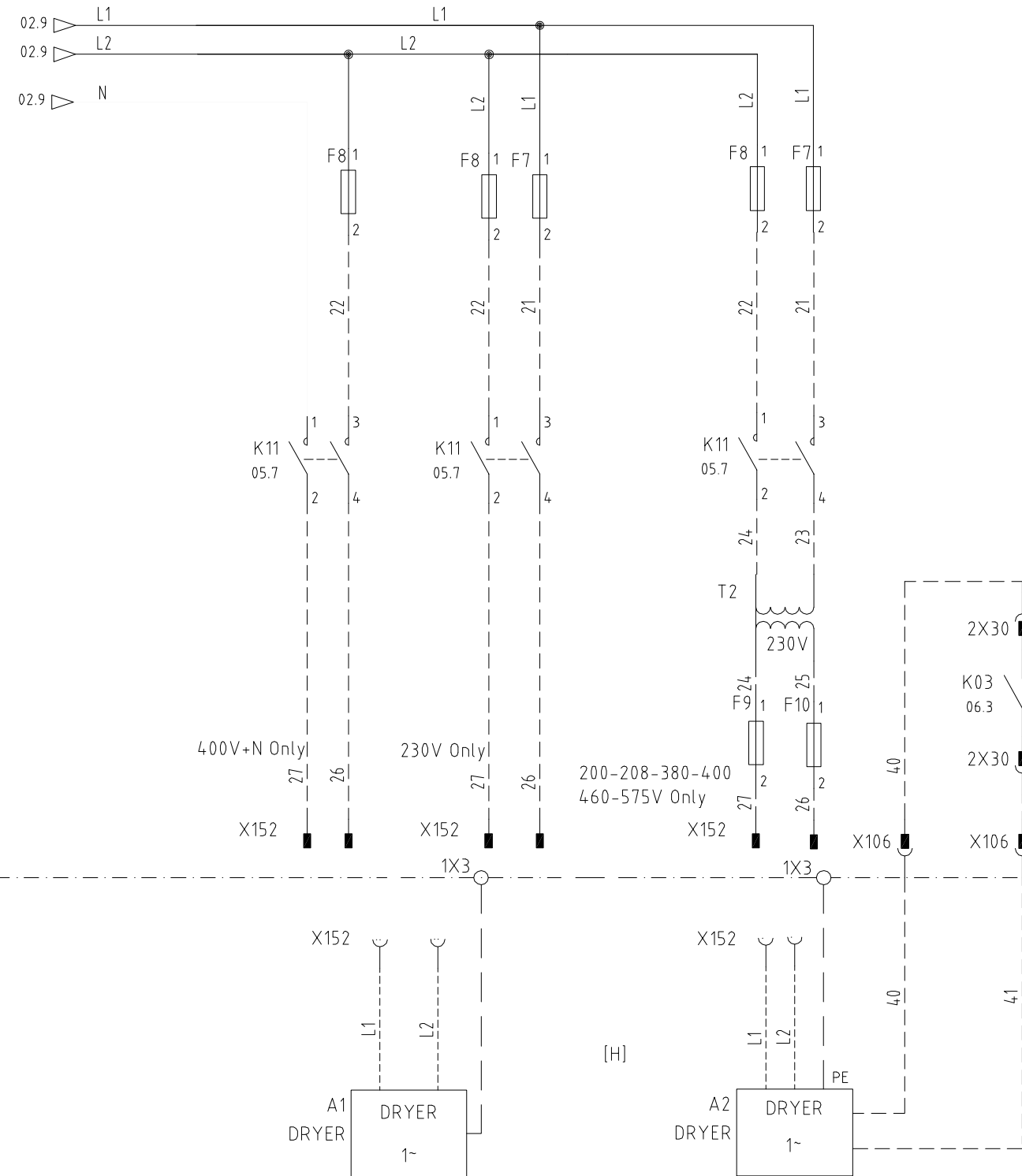


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CUSTOMER'S INSTALLATION

ACD Drawing owner All	Name DIAGRAM SERVICE	SERVICE SF1-6+ (ELEKTRONIKON)	STATUS	Ed.	Date	Prev. Page 01	Next Page 03	A3	Designation 9828 4505 99	Sheet 02 (10)
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DRYER VARIANTS



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Ed.

04

Date

2015-03-11

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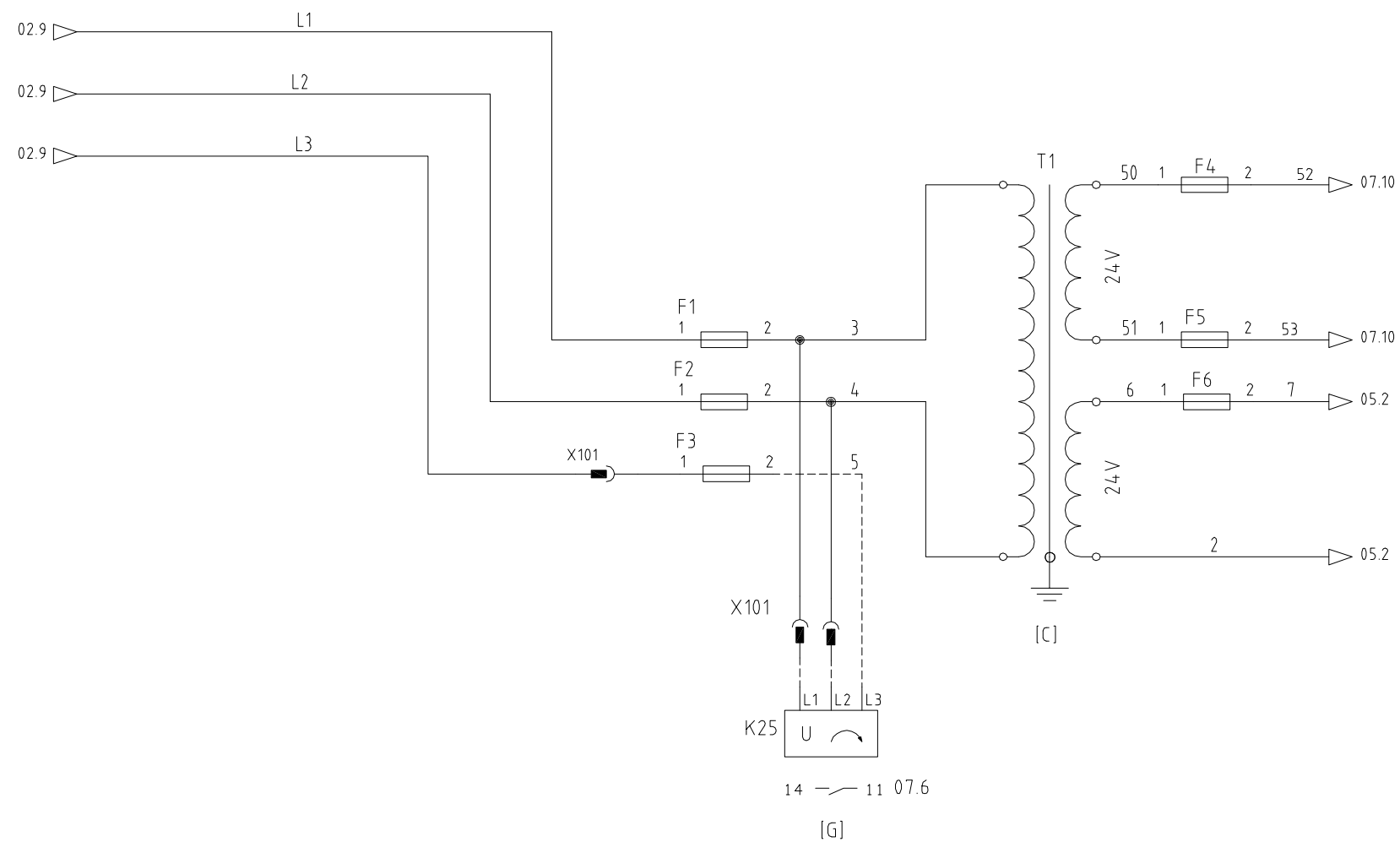
Date
2014-05-20

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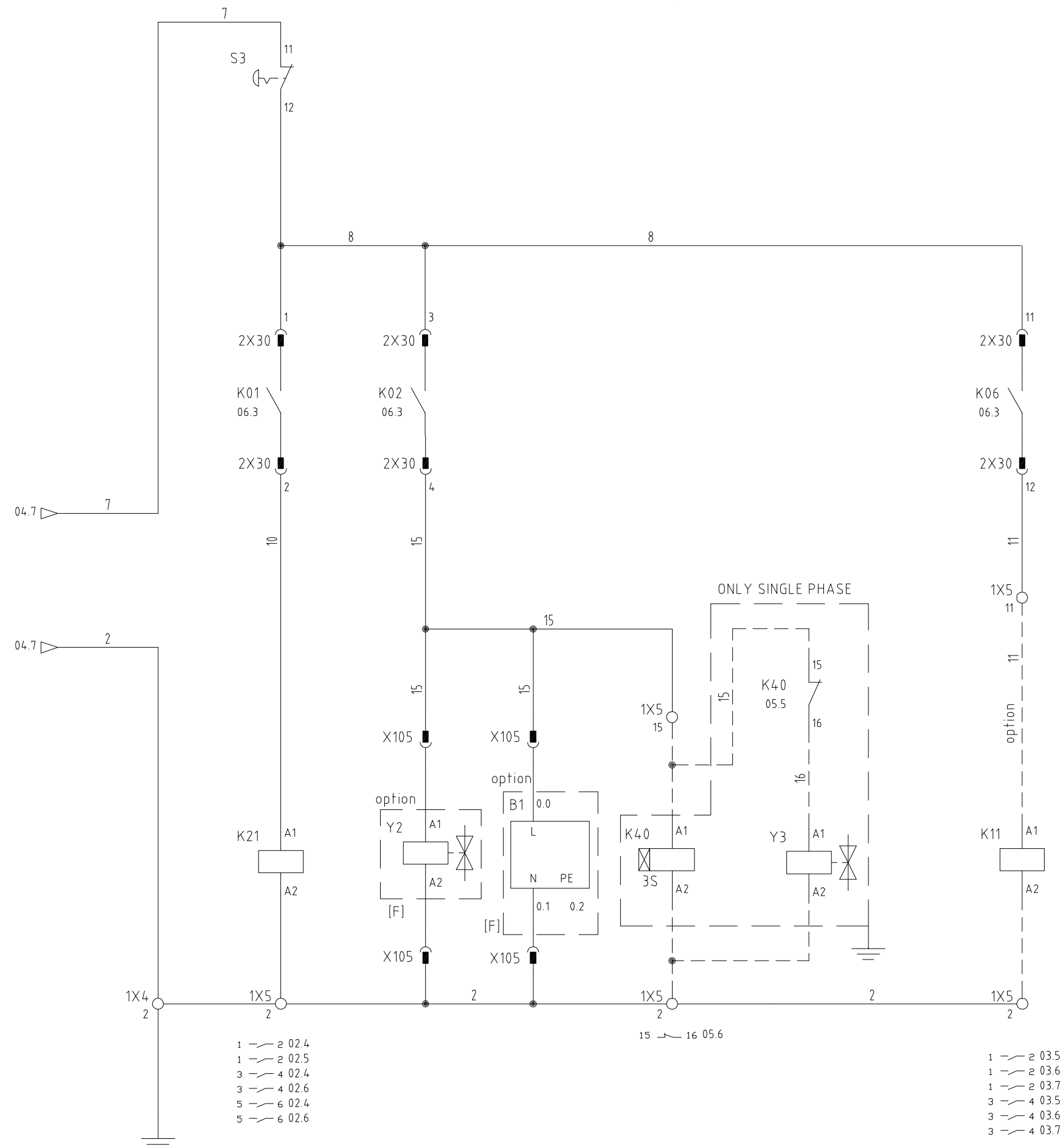
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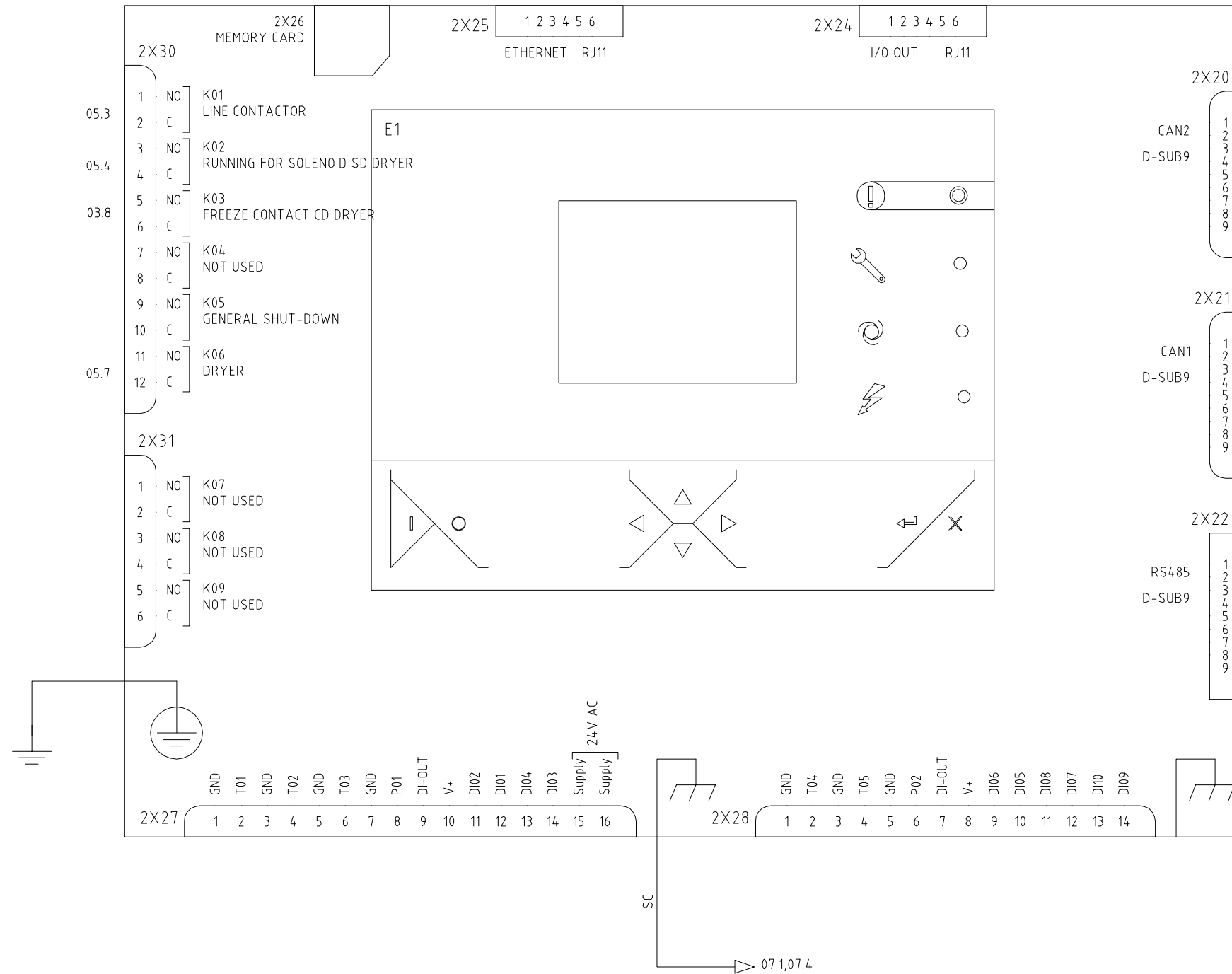
- 1 — 2 02.4
- 1 — 2 02.5
- 3 — 4 02.4
- 3 — 4 02.6
- 5 — 6 02.4
- 5 — 6 02.6

- 1 — 2 03.5
- 1 — 2 03.6
- 1 — 2 03.7
- 3 — 4 03.5
- 3 — 4 03.6
- 3 — 4 03.7

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ELEKTRONIKON Mk5 GRAPHIC



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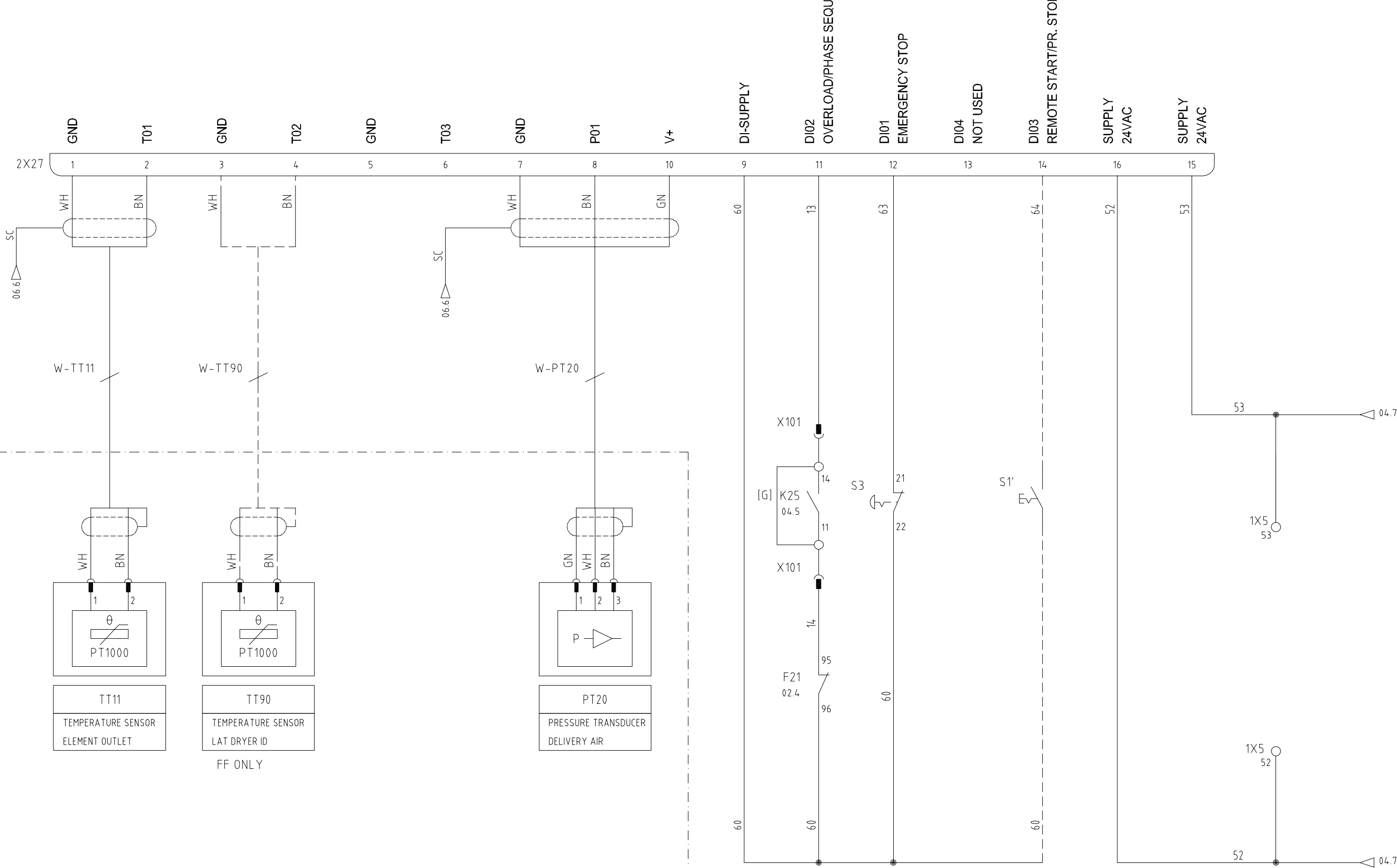
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1 2 3 4 5 6 7 8 9 10

INPUT CONNECTIONS 2X27



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Designation **9828 4505 99** Sheet 07 (10)

LOCATION	TAGNAME	PAGE	DESCRIPTION	FUNCTION
CANOPY	B1	05	ELECTRONIC WATER DRAIN	OPTIONAL
CANOPY	F21	02	OVERLOAD MOTOR	MOTOR/STARTER PROTECTION
CANOPY	F21	02	OVERLOAD MOTOR	MOTOR/STARTER PROTECTION
CANOPY	GND1	02		
CANOPY	M1	02	MAIN MOTOR	
CANOPY	M1	02	MAIN MOTOR	
CANOPY	PT20	07	PRESSURE TRANSDUCER	DELIVERY AIR
CANOPY	S3	07	EMERGENCY STOP	MUSHROOM TYPE PUSH BUTTON
CANOPY	TT11	07	TEMPERATURE SENSOR	ELEMENT OUTLET
CANOPY	TT90	07	TEMPERATURE SENSOR	LAT DRYER ID
CANOPY	Y2	05	SOLENOID VALVE FOR SD DRYER	
CANOPY	Y3	05	SOLENOID VALVE FOR UNLOAD STARTER	
CONTROL PANEL	1X3	05	CONNECTOR	GROUND
CONTROL PANEL	1X3	06	CONNECTOR	GROUND
CONTROL PANEL	2X26	06	MEMORY CARD	ELEKTRONIKON Mk5 GRAPHIC
CONTROL PANEL	2X27	07	CONNECTOR	ELEKTRONIKON Mk5 GRAPHIC
CONTROL PANEL	E1	06	REGULATOR	ELEKTRONIKON Mk5 GRAPHIC
CONTROL PANEL	F1	04	FUSE	TRANSFORMER PROTECTION
CONTROL PANEL	F10	03	FUSE	DRYER
CONTROL PANEL	F2	04	FUSE	TRANSFORMER PROTECTION
CONTROL PANEL	F3	04	FUSE	
CONTROL PANEL	F4	04	FUSE	TRANSFORMER PROTECTION
CONTROL PANEL	F5	04	FUSE	CONTROL CIRCUIT 24V
CONTROL PANEL	F6	04	FUSE	TRANSFORMER PROTECTION
CONTROL PANEL	F7	03	FUSE	DRYER
CONTROL PANEL	F7	03	FUSE	DRYER
CONTROL PANEL	F8	03	FUSE	DRYER
CONTROL PANEL	F8	03	FUSE	DRYER
CONTROL PANEL	F8	03	FUSE	DRYER
CONTROL PANEL	F9	03	FUSE	DRYER

A
B
C
D
E
F
G

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LOCATION	TAGNAME	PAGE	DESCRIPTION	FUNCTION
CONTROL PANEL	GND1	05	CONNECTOR	GROUND
CONTROL PANEL	IG	02	MAIN SWITCH	CUSTOMER INSTALLATION
CONTROL PANEL	K11	05	AUXILIARY CONTACTOR DRYER	
CONTROL PANEL	K21	05	CONTACTOR	LINE CONNECTION M1
CONTROL PANEL	K25	04	PHASE SEQUENCE RELAY	ROTATION SENSE PROTECTION
CONTROL PANEL	K40	05	UNLOADER STARTER TIMER	SINGLE PHASE ONLY
CONTROL PANEL	S3	05	EMERGENCY STOP MUSHROOM TYPE PUSH BUTTON	
CONTROL PANEL	T1	04	TRANSFORMER	CONTROL CIRCUIT
CONTROL PANEL	T2	03	DRYER AUTOTRANSFORMER	
CONTROL PANEL	X101	04	CONNECTOR	
CONTROL PANEL	X101	04	CONNECTOR	
CONTROL PANEL	X101	07	CONNECTOR	
CONTROL PANEL	X101	07	CONNECTOR	
CONTROL PANEL	X105	05	CONNECTOR	
CONTROL PANEL	X105	05	CONNECTOR	
CONTROL PANEL	X152	03	CONNECTOR	
CONTROL PANEL	X152	03	CONNECTOR	
CONTROL PANEL	X152	03	CONNECTOR	
CONTROL PANEL	X152	03	CONNECTOR	
CUSTOMER	FU	02	MAIN PROTECTION	CUSTOMER INSTALLATION
CUSTOMER	S1'	07	REMOTE START/ STOP	
DRYER	A1	03	ID DRYER	OPTIONAL
DRYER	A2	03	CD DRYER	OPTIONAL

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NOTES :

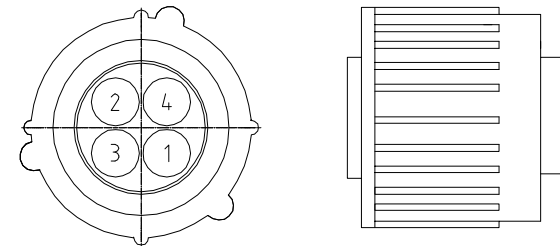
- [A] Maximum fuses with regard to short circuit protection of starter. cable section might impose fuses of smaller value.
- [B] Power supply to be connected for :
COUNTER CLOCKwise rotation of motor
Rotation to be observed while facing the drive end shaft of the motors.
- [C] To connect correct transfo-voltage, see on transfo.
- [D] Y/D connections made inside the terminal box of the motor.
- [E] Bridges on 1X1:T4-T9 delivered loose with the motor.
- [F] Installed by AC
- [G] -Available only for dedicated units.
-on single phase units K25 and F3 are not installed and wires 13-14 are connected in 1X0.
- [H] Supply of dryer.

Tightening Torque							
Contactor	ABB						Siemens
Model	AS09	AS12	AF16	AF26	AF30	AF38	3RT1024
Terminals	M3	M3	M3.5	M4	M4	M4	M4
Recomm. Torque [Nm]	1.0	1.0	1.5	2.5	2.5	2.5	2.0-2.5
Coil terminals	M3	M3	M3.5	M3.5	M3.5	M3.5	M3
Recomm. Torque [Nm]	1.0	1.0	1.2	1.2	1.2	1.2	0.8-1.2
Transformer	T1	T2					
Recomm. Torque [Nm]	0.5-1.0	0.5-1.0					

Pin configurations

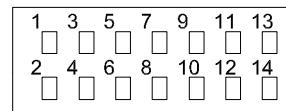
Pressure transducer

- 1 : Supply V+
- 2 : Ground
- 3 : Signal
- 4 : Sealed with dummy

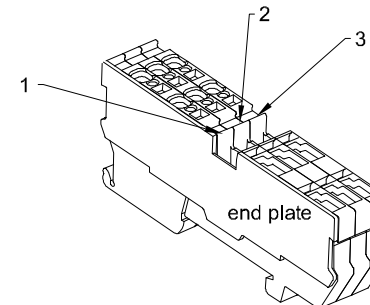


Marking of connectors

2X27



Marking of connectors and terminals



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