

Project title: CT3126.02 Combi Grinder Mantos

Project nr.:ON268640004

Drawing nr.:102751

Customer: Mantos

Machin nr.: 11-0036

Last printet	10-10-2011	Konstr. (projekt/side):	/	Page	Frontpage
Last edited	08-07-2011	Reference name:		Previous page:	
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				Approved (init/dato):	/
				Project rev.:	
				Last rev.:	
				Description.:	

CT3126.02 Combi Grinder Man

Layout

1

Main circuit

2

Safety

3

PLC reference

4

Input

5

Output

6

Div.

7

Analouge input

8

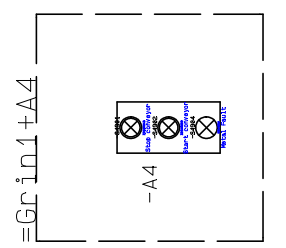
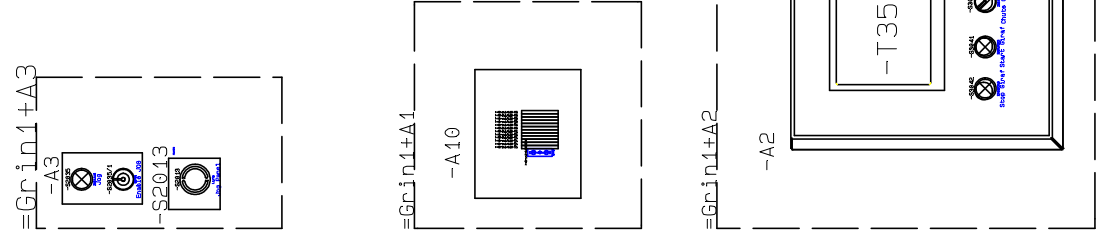
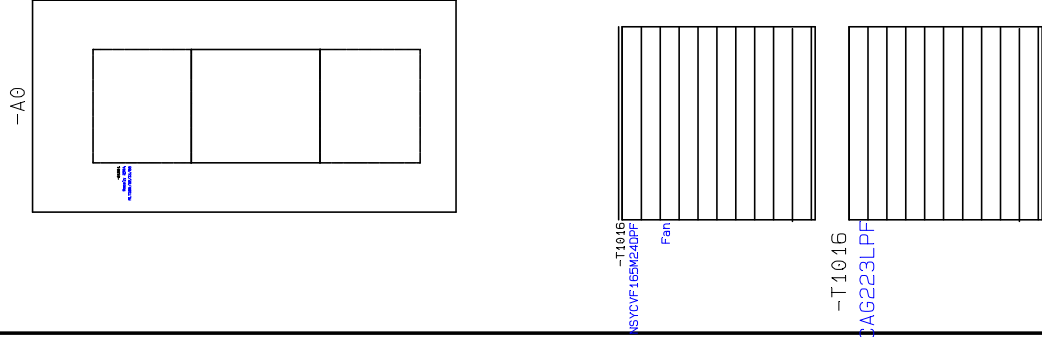
Part list

9

Bill Of Material

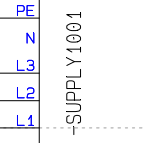
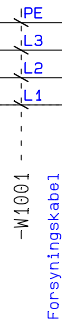
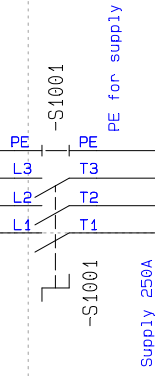
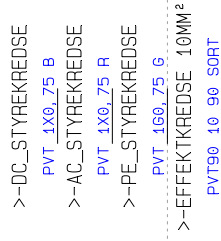
10

Layout



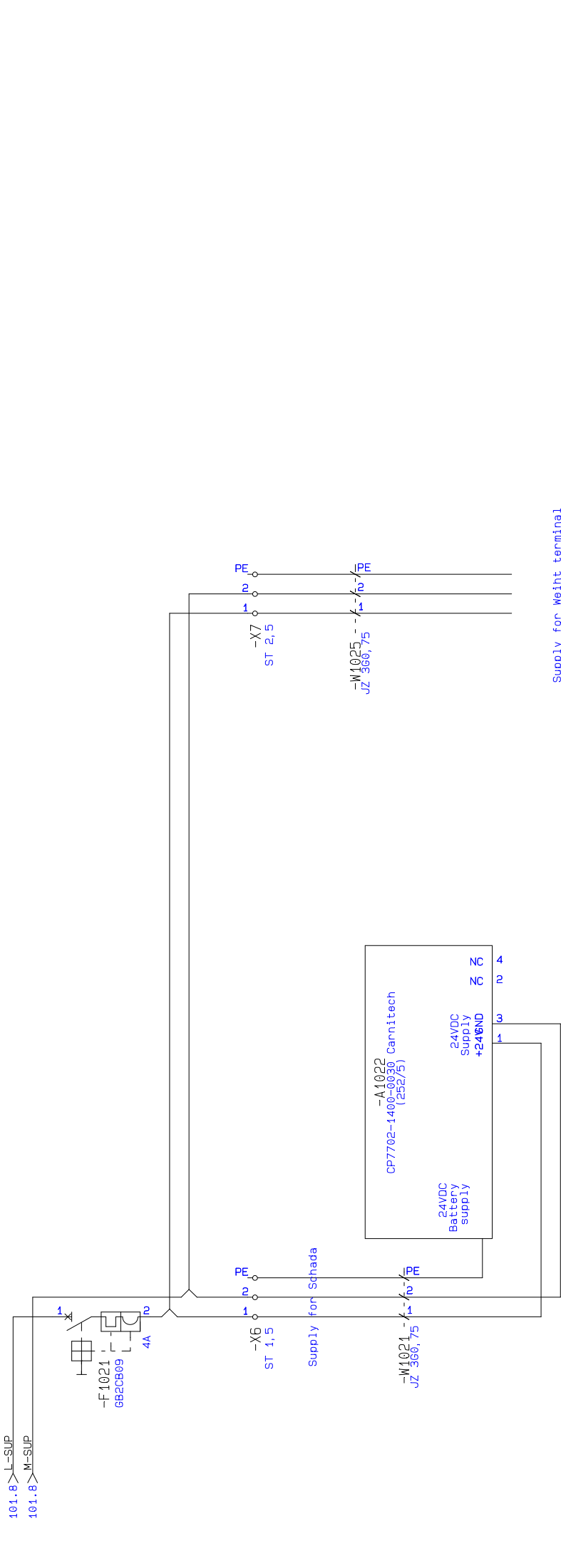
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Sidetitel: Layout	Tegnings nr.:		
Kunde: Mantos	Konstruktør		Næste side: Main Circuit
Filnavn: CT3126.02 Combigrinder - Mantos (aflevering)	Godk. (init/dato):	/	Sider ialt: 64
Sags nr.:	Sidste rettelser tid:	16-09-2011	Projekt rev.:

Main circuit

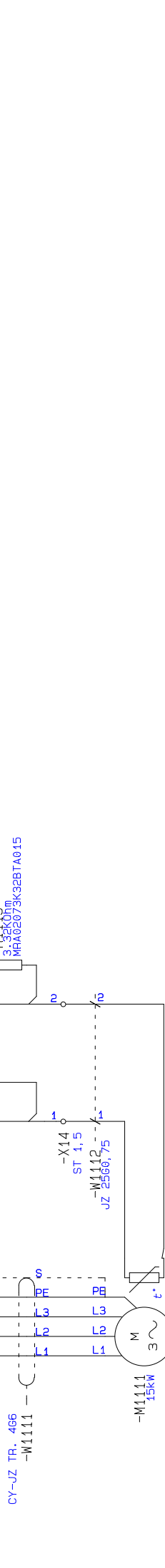
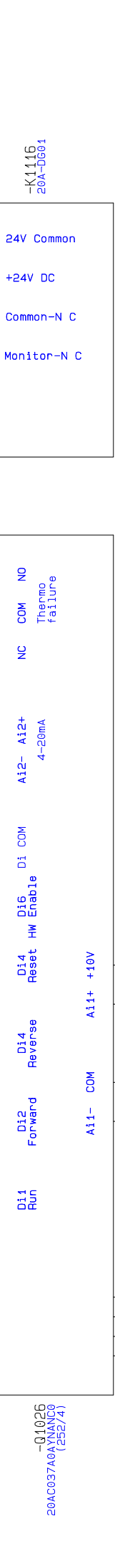
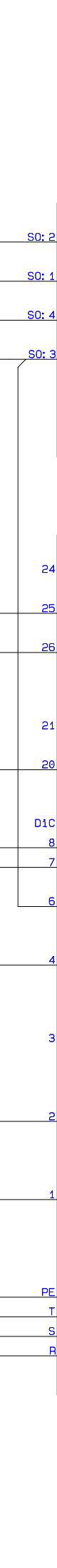
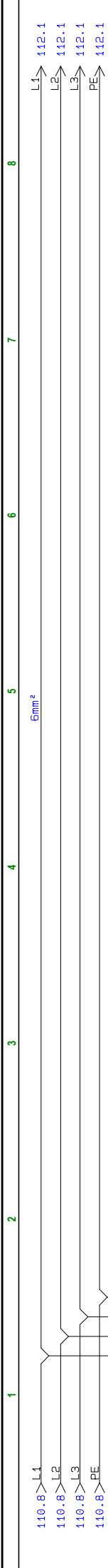


3x400V + PE
50Hz
IK-max 10kA
IK-min min 8kA
Max 225A Fuse

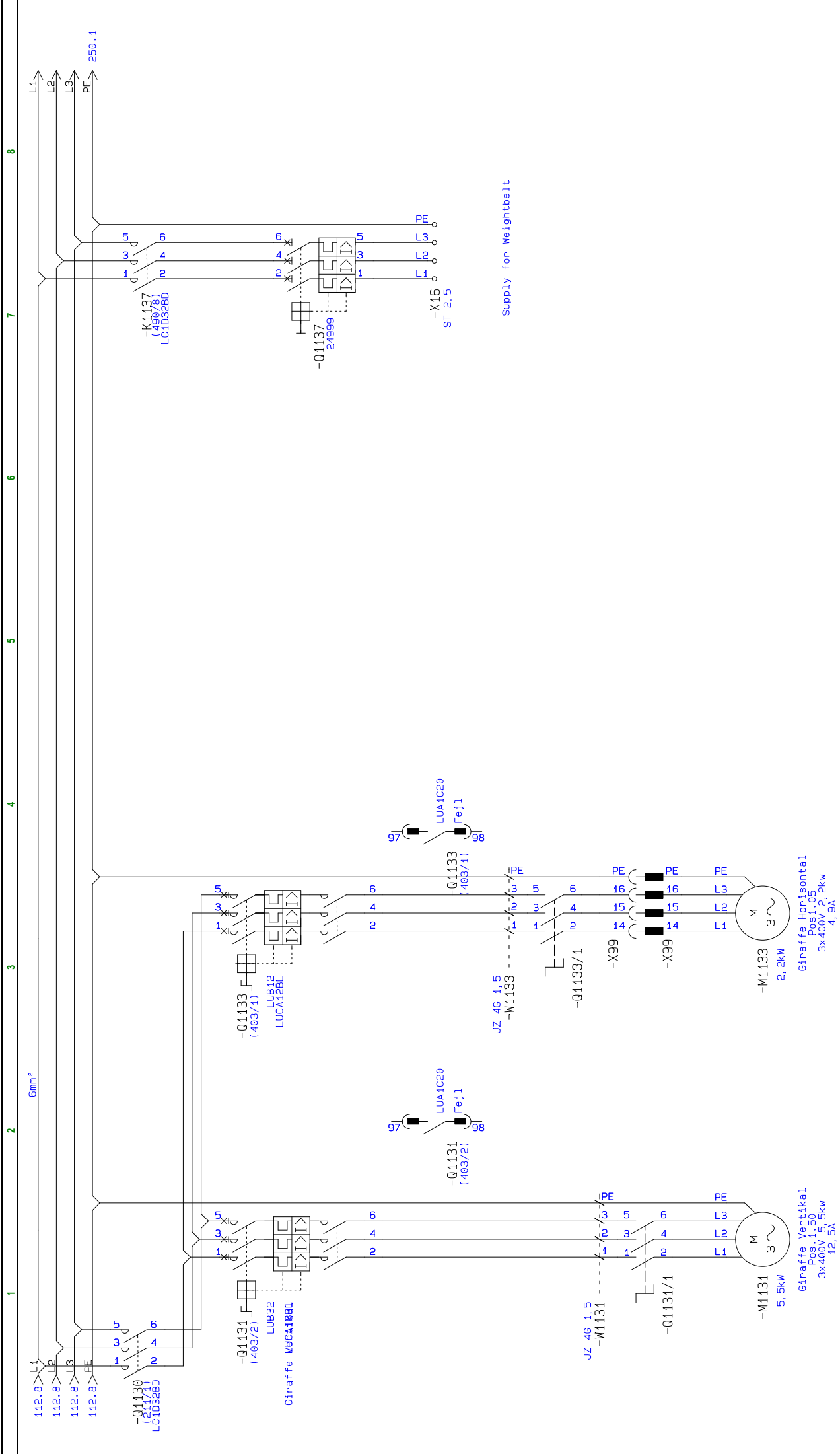
1	2	3	4	5	6	7	8
101.8	>	L1					L1
101.8	>	L2					L2
101.8	>	L3					L3
101.8	>	PE					PE



CARNITECH				Project title: CT3126.02 Combi Grinder Mantos Page title: Schads supply Customer: Mantos File name: CT3126.02 Combigrinder - Mantos (aflevering) Project nr.: ON268640004			
Funk./plac. Drawing nr.: Konstr. (project/page): Approved. (init/dato): Last edited				=Grin1+A1 / 05-10-2011			
				Page Next page Number of pages Project rev.:			
				102 110 64			

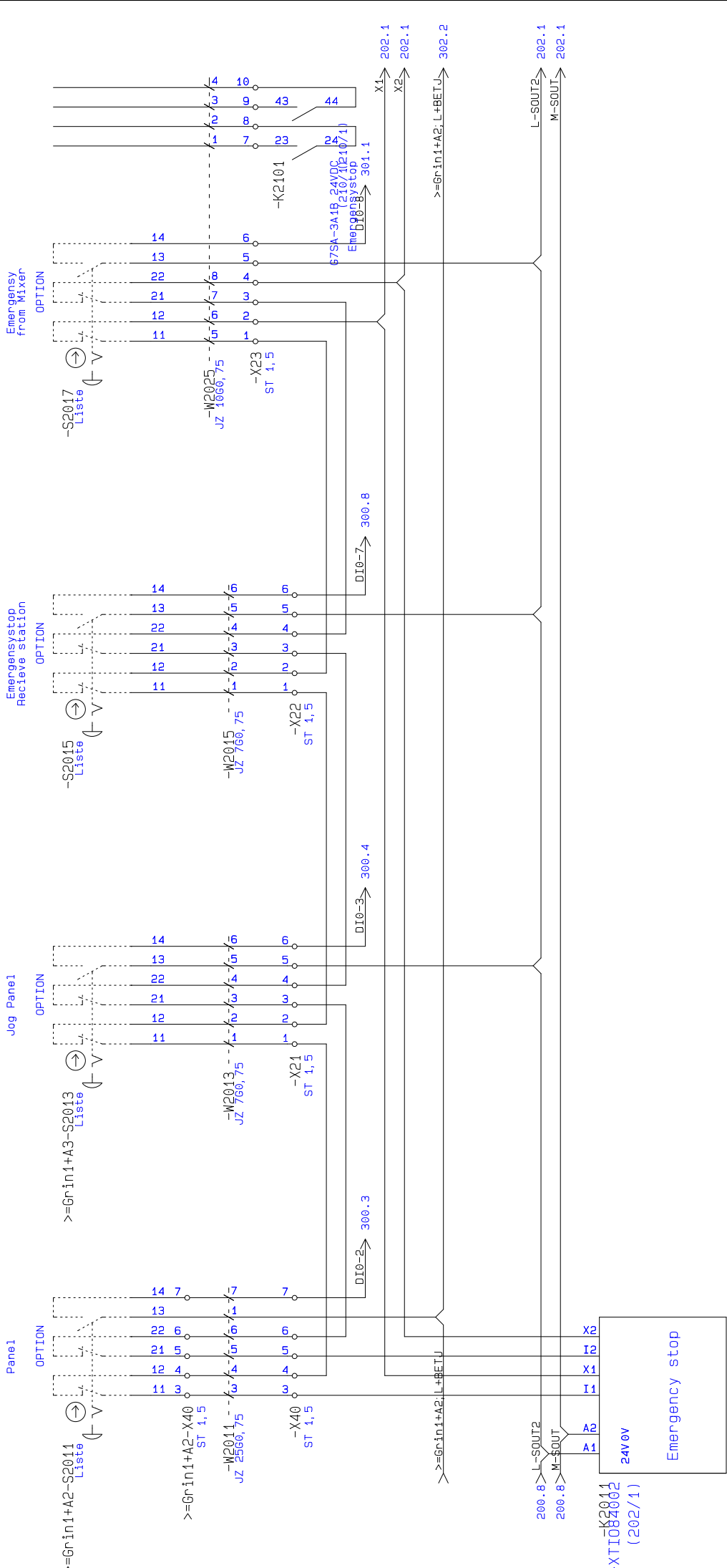


Project title: CT3126.02 Combi Grinder Mantos				Funk./plac.	Page
Page title: Feeding Worm				Drawing nr.:	
Customer: Mantos				Konstr. (project/page):	Next page
File name: CT3126.02 Combigrinder - Mantos (aflevering)				Approved. (init/date):	Number of pages
Project nr.: ON268640004				Last edited	Project rev.:

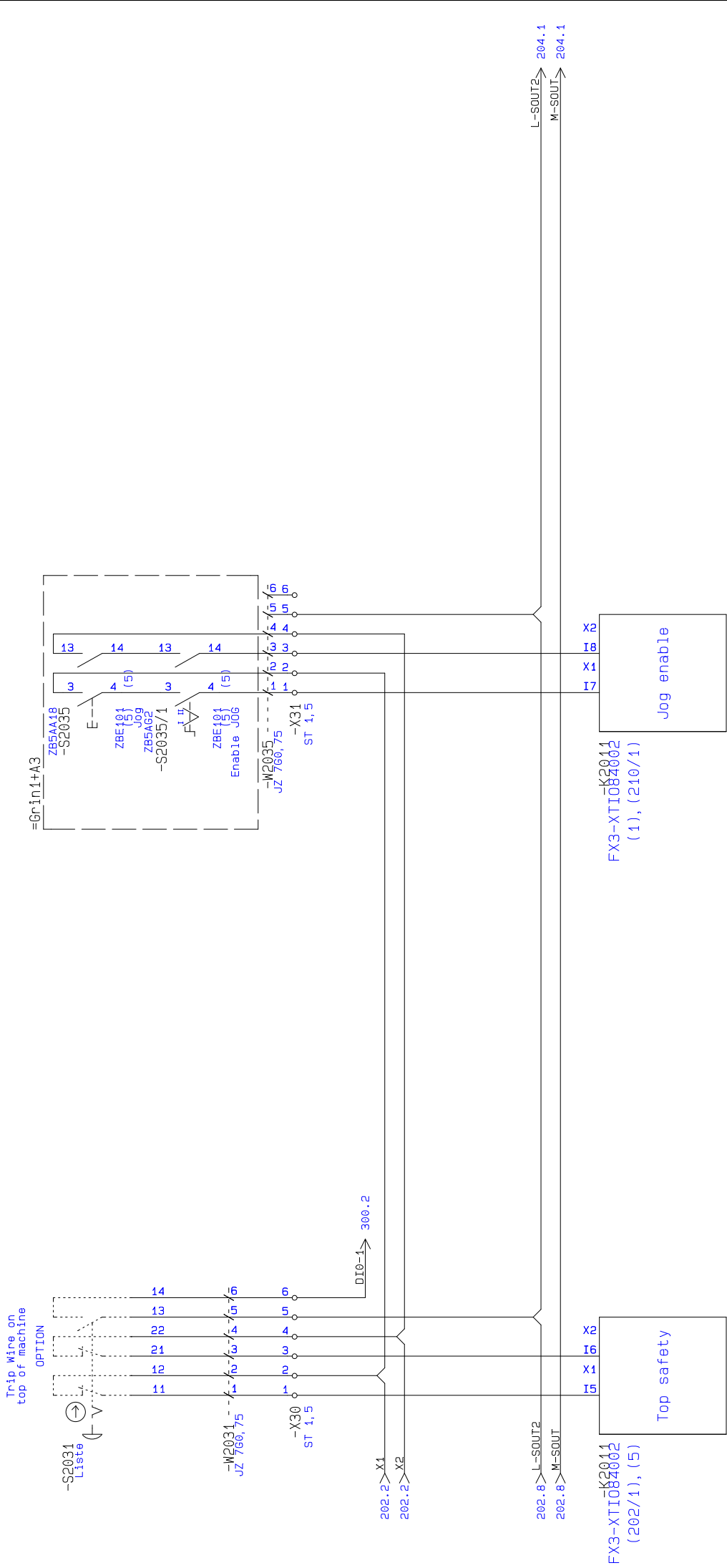


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Funk./plac.		=Grin1+A1		Page		113	
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Konstr. (project/page):		/		Next page		Safety	
Approved. (init/dato):		/		Number of pages		64	
Last edited		05-10-2011		Project rev.:			

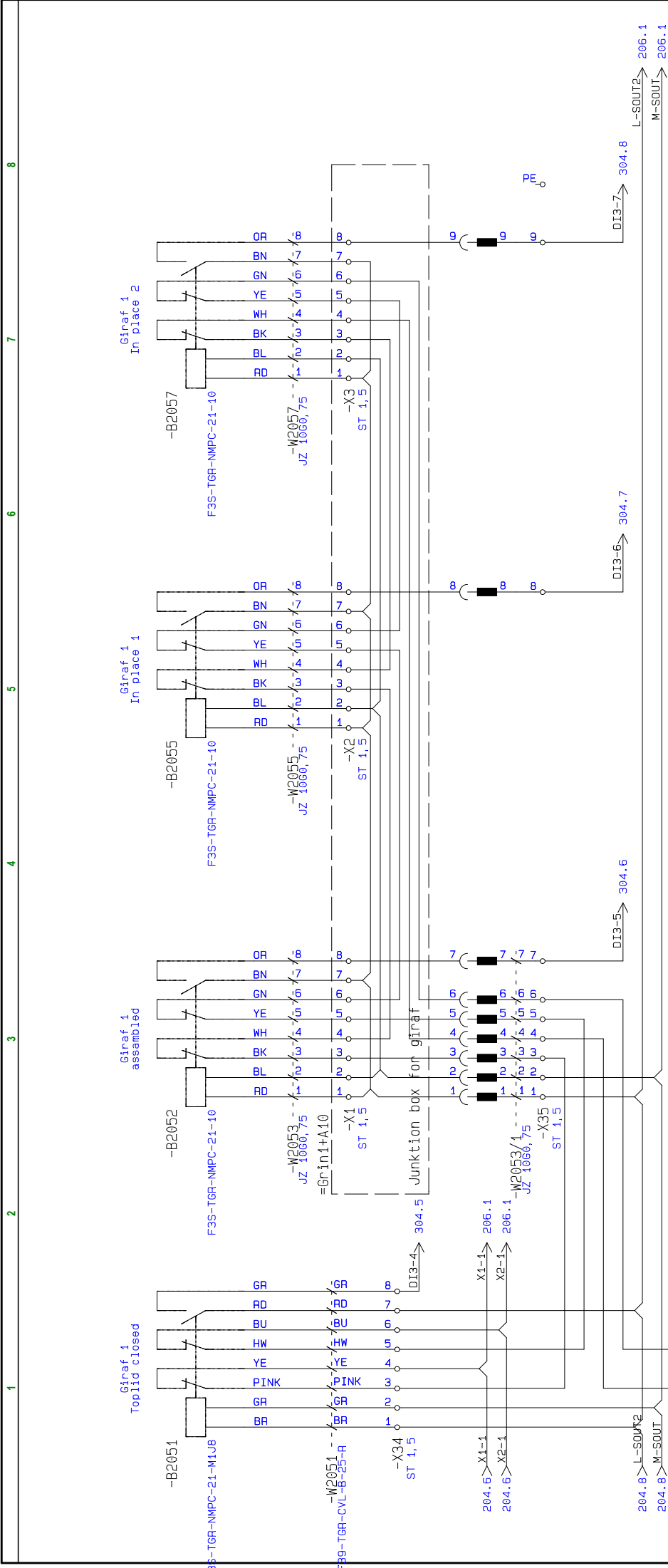
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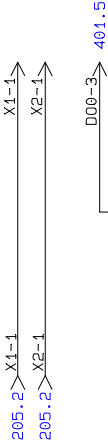
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		Page title: Emergency stop		Drawing nr.:			
		Customer: Mantos		Konstr. (project/page):	/	Next page	202
		File name: CT3126.02 Combigrinder - Mantos (afterlevering)		Approved. (init/date):	/	Number of pages	64
		Project nr.: ON268640004		Last edited	05-10-2011	Project rev.:	



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Project nr.: ON268640004				Last edited		16-09-2011	
				Number of pages		64	
				Project rev.:			



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		File name: CT3126.02 Combigrinder - Mantos (afterlevering)		Approved. (init/dato): /		Number of pages	
		Project nr.: ON268640004		16-09-2011		Project rev.:	



FX3-XT1084002

(205/1), (210/5)

X2

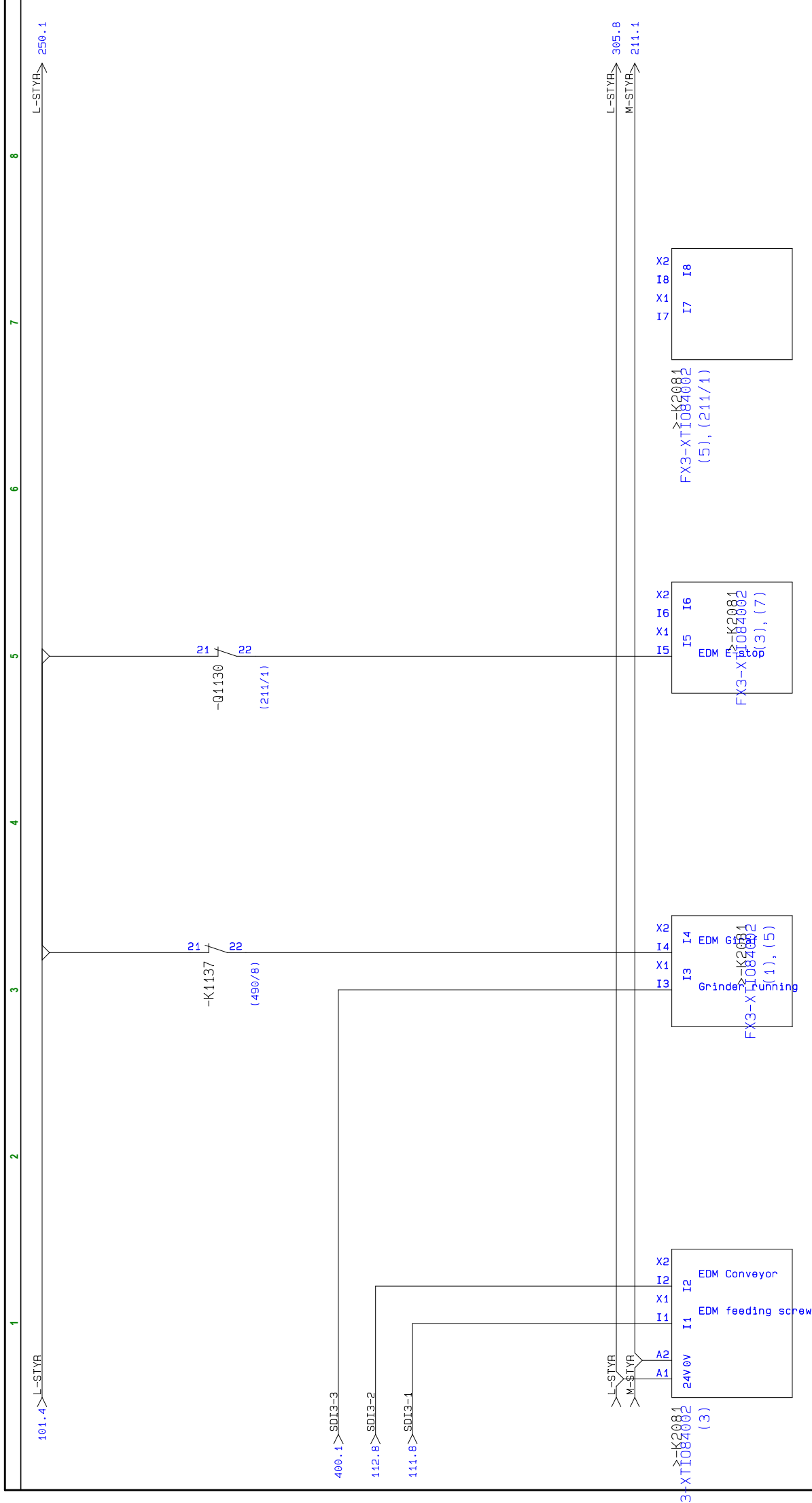
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X1

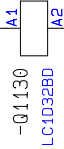
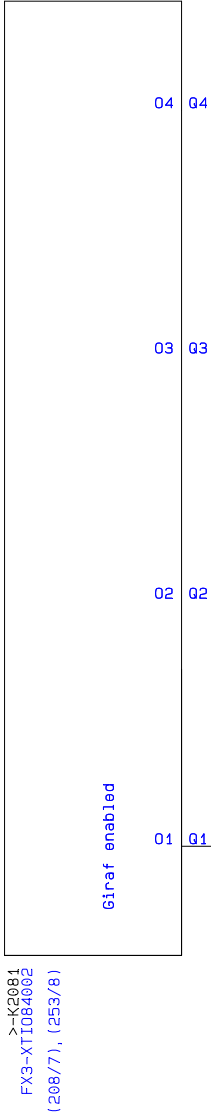
17



Project title: CT3126.02 Combi Grinder Mantos			Funk./plac.	=Gin1+A1	Page	206
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			Project rev.:		Next page	
					Number of pages	
					64	

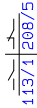


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				Project rev.:	



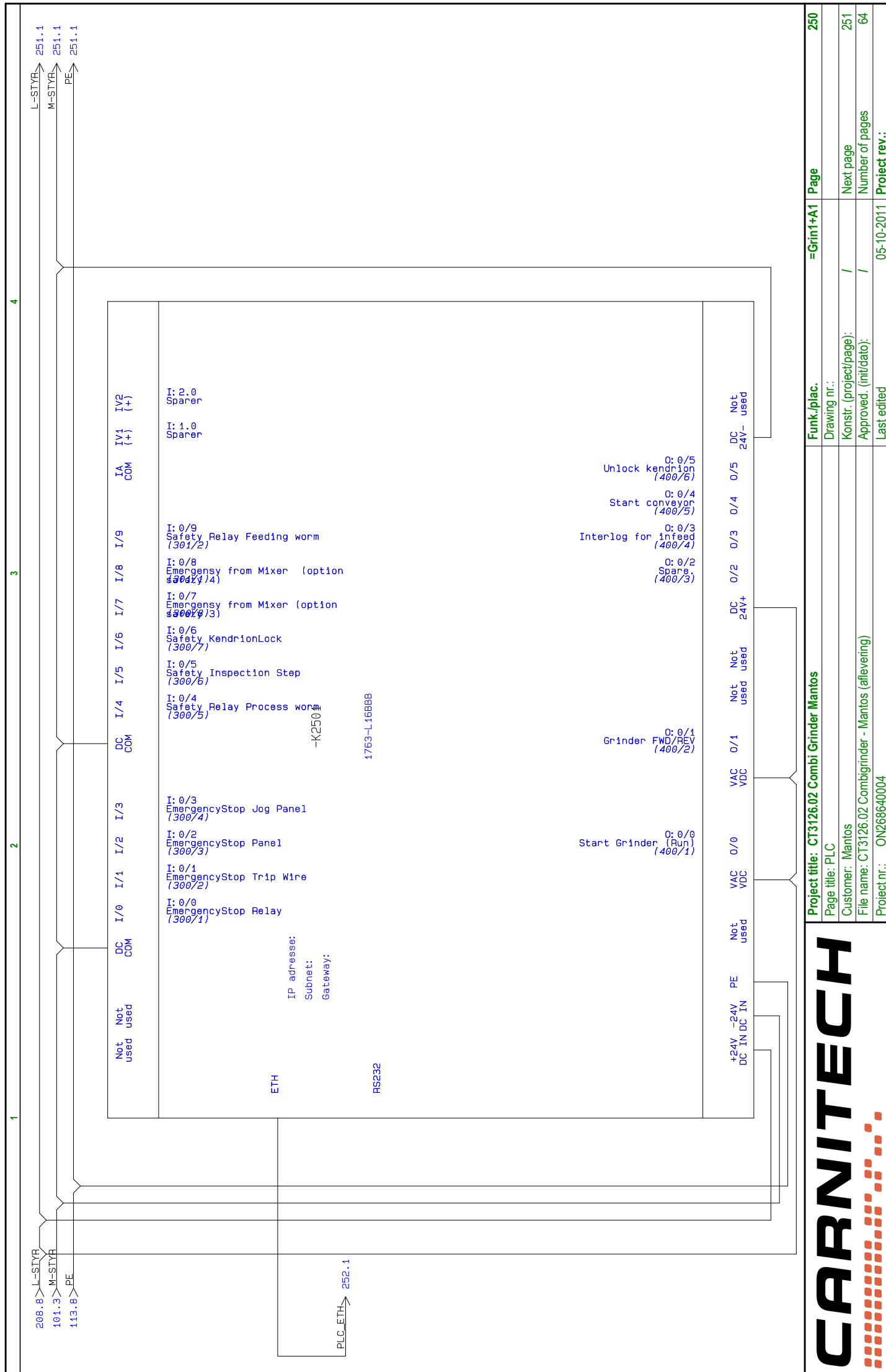
208.8 > M-STYR

M-STYR > 401.1



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Page title:			Drawing nuber	102751		
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Project number:ON268640004			Last edited	05-10-2011	Project rev.:	

PLC reference



1

2

3

4

250..4>L-STYR
250..4>M-STYR
250..4>PE

L-STYR 252..1
M-STYR 252..1
PE 252..1

-K2511

-K2512

-K2513

-K2514

DC COM 0 (IN0==>IN7)	DC COM 0 (IN8==>IN15)	+VDC	DC Com	DC COM 0 (IN0==>IN7)	DC COM 0 (IN8==>IN15)	+VDC	DC Com
IN0 Line Signal Ok To Start Lampfling I: 1/0 (302/2)	OUT0 Start Feeding Worm FWD O: 2/0 (401/1)			IN0 Start Giraf I: 3/0 (304/1)	OUT0 Giraf Horizontal O: 4/0 (403/1)		
IN1 Start Grinder I: 1/1 (302/2)	OUT1 Start Feeding Worm REV O: 2/1 (401/2)			IN1 Stop Giraf I: 3/1 (304/2)	OUT1 Giraf O: 4/1 (403/2)		
IN2 Stop Grinder I: 1/2 (302/3)	OUT2 Stop Feeding Worm O: 2/2 (401/3)			IN2 Power Circuit Giraf I: 3/2 (304/3)	OUT2 Giraf running O: 4/2 (403/3)		
IN3 Reverse Grinder I: 1/3 (302/4)	OUT3 Spare. O: 2/3 (401/4)			IN3 Safety relay Giraf I: 3/3 (304/4)	OUT3 Lamp Giraf Safety fault O: 4/3 (403/4)		
IN4 Reset I: 1/4 (302/5)	OUT4 Reset Emergencystop/Fault O: 2/4 (401/5)			IN4 Safety Giraf Vertical Lid I: 3/4 (304/5)	OUT4 Valve Chute O: 4/4 (403/5)		
IN5 Man/Auto I: 1/5 (302/6)	OUT5 Line Signal Grinder Running O: 2/5 (401/6)			IN5 Safety Giraf I: 3/5 (304/6)	OUT5 Line Signal Chute Open O: 4/5 (403/6)		
IN6 Jog Feeding worm I: 1/6 (302/7)	OUT6 Lamp Reset Fault O: 2/6 (401/7)			IN6 Safety Giraf In place 1 I: 3/6 (304/7)	OUT6 O: 4/6 (403/7)		
IN7 Spare I: 1/7 (302/8)	OUT7 Lamp Safety Fault O: 2/7 (401/8)			IN7 Safety Giraf In place 2 I: 3/7 (304/8)	OUT7 O: 4/7 (403/8)		
IN8 Stand Still Relay I: 1/8 (303/1)	OUT8 Lamp Grinder Running O: 2/8 (402/1)			IN8 Chute On/Off I: 3/8 (305/1)	OUT8 O: 4/8 (404/1)		
IN9 Metal detector I: 1/9 (303/2)	OUT9 Spare O: 2/9 (402/2)			IN9 Chute Open I: 3/9 (305/2)	OUT9 Spare O: 4/9 (404/2)		
IN10 Fault power I: 1/10 (303/3)	OUT10 Spare. O: 2/10 (402/3)			IN10 Chute Closed I: 3/10 (305/3)	OUT10 Spare O: 4/10 (404/3)		
IN11 Sensor Boneseparator Open I: 1/11 (303/4)	OUT11 Spare O: 2/11 (402/4)			IN11 Line Signal Toplid Open Mixer I: 3/11 (305/4)	OUT11 Spare O: 4/11 (404/4)		
IN12 Sensor Boneseparator Closed I: 1/12 (303/5)	OUT12 Spare. O: 2/12 (402/5)			IN12 I: 3/12 (305/5)	OUT12 Spare O: 4/12 (404/5)		
IN13 Frontlid closed I: 1/13 (303/6)	OUT13 Spare O: 2/13 (402/6)			IN13 I: 3/13 (305/6)	OUT13 Spare O: 4/13 (404/6)		
IN14 Fault Power Circuit Grinder I: 1/14 (303/7)	OUT14 Valve Boneseparator Open O: 2/14 (402/7)			IN14 Start conveyor I: 3/14 (305/7)	OUT14 Spare O: 4/14 (404/7)		
IN15 Fault Power Circuit Process I: 1/15 (303/8)	OUT15 Valve Boneseparator Airshot O: 2/15 (402/8)			IN15 Stop Conveyor I: 3/15 (305/8)	OUT15 Spare O: 4/15 (404/8)		
	1762-IQ16		1762-OB16		1762-IQ16		1762-OB16



Project title: CT3126.02 Combi Grinder Mantos

Page title: PLC in/out

Customer: Mantos

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=Grin1+A1

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252.8L-STYR300.1L-STYR

252.8M-STYR300.1M-STYR

X1	ETH	-A2526 (252/6)
X2	ETH	-A2526 (252/6)
X3	ETH	-A2526 (252/6)
X4	ETH	-A2526 (252/6)
X5	ETH	-A2526 (252/6)
X6	ETH	-A2526 (252/6)
X7	ETH	-A2526 (252/6)
X8	ETH	-A2526 (252/6)



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Project number:ON268640004		Last edited	26-09-2011	Project rev.:	

-K2041
(210/5)

-K2011
(210/1)

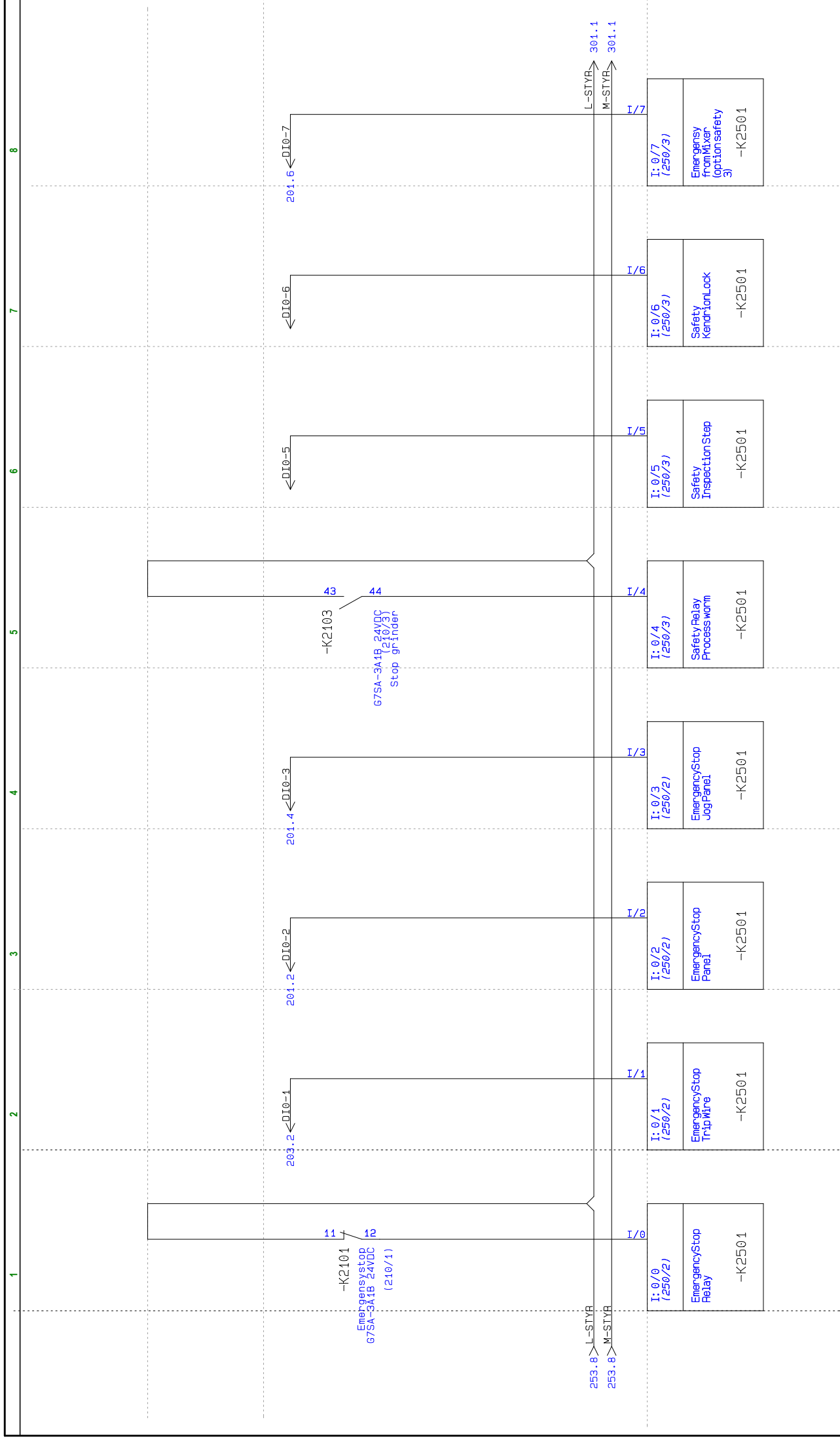
-K2002
(200/2)

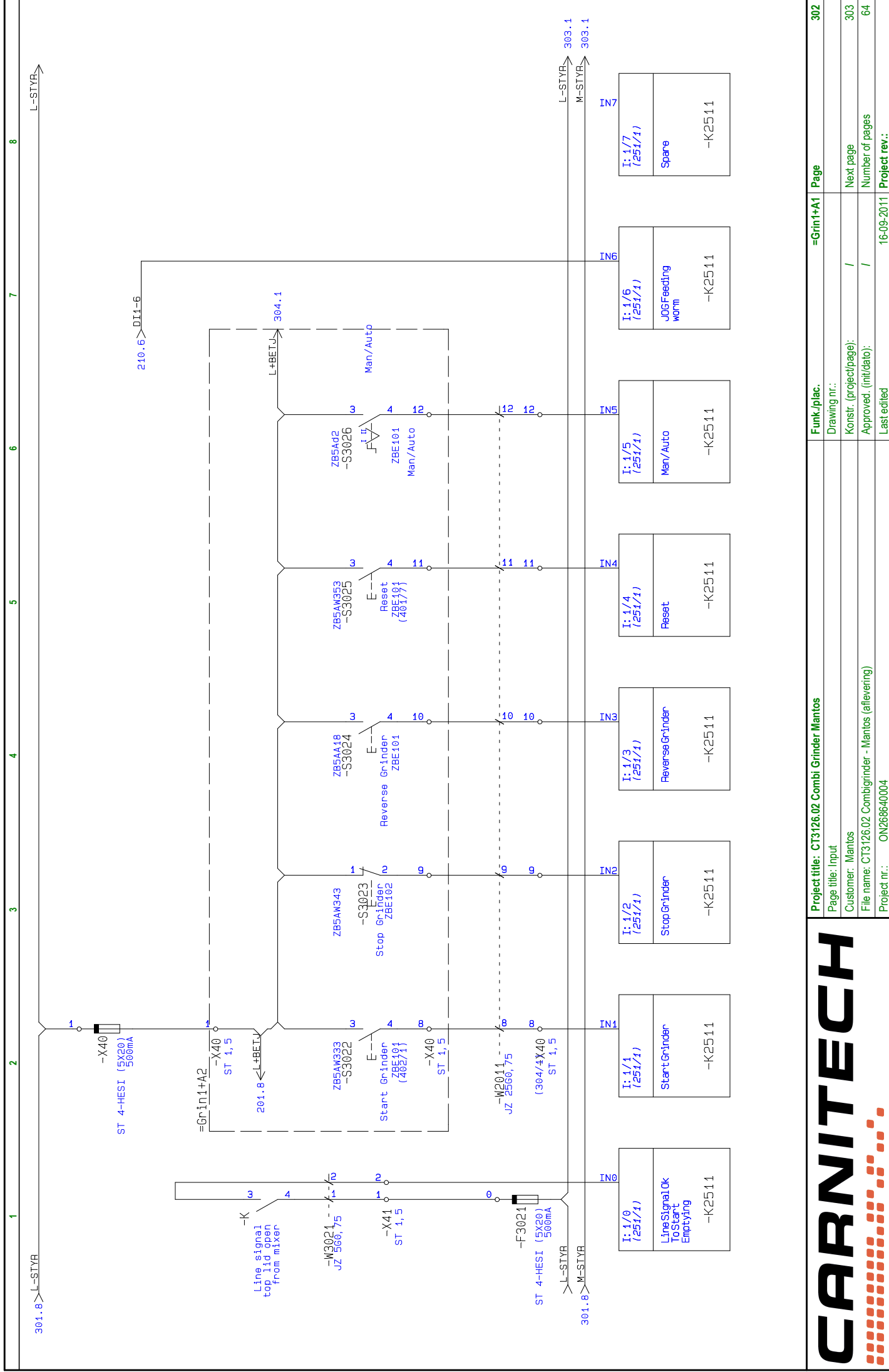
Input 1 I1 Input 2 I2 Input 3 I3 Input 4 I4 Input 5 I5 Input 6 I6 Input 7 I7 Input 8 I8 Output 1 Q1 Output 2 Q2 Output 3 Q3 Output 4 Q4	I1 I2 I3 I4 I5 I6 I7 I8 01 02 03 04		>-K2081 (211/1) FX3-XTI084002
Input 1 1 Input 2 2 Input 3 3 Input 4 4 Input 5 1 Input 6 2 Input 7 3 Input 8 4 Output 1 1 Output 2 2 Output 3 3 Output 4 4	1 2 3 4 5 6 7 8 9 10 11 12		FX3-XTI084002
Input 1 1 Input 2 2 Input 3 3 Input 4 4 Input 5 1 Input 6 2 Input 7 3 Input 8 4 Output 1 1 Output 2 2 Output 3 3 Output 4 4	1 2 3 4 5 6 7 8 9 10 11 12		FX3-XTI084002
Output 1 A1	+		FX3-CPU000000 Checksum = 0xFA912BF5



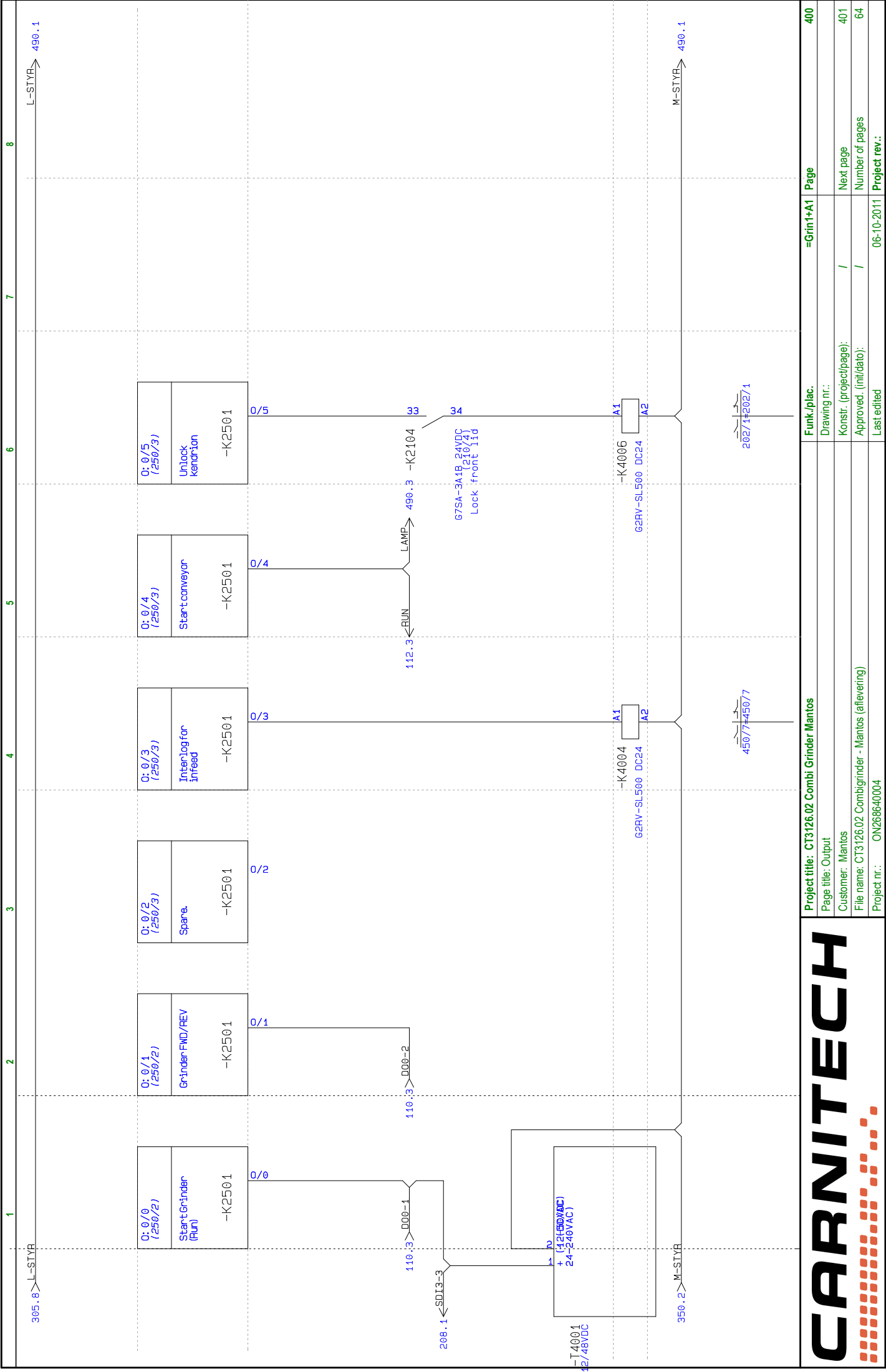
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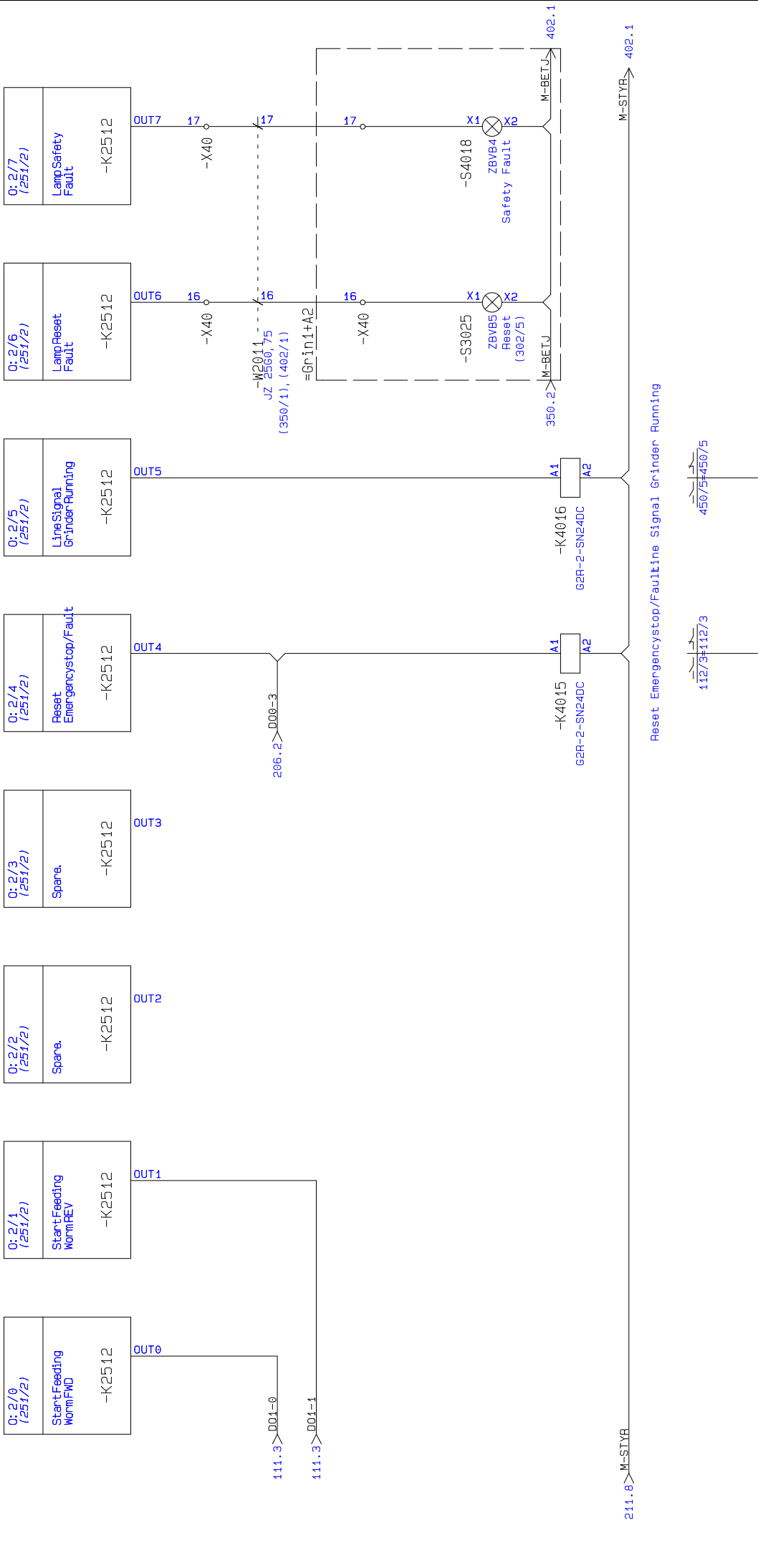
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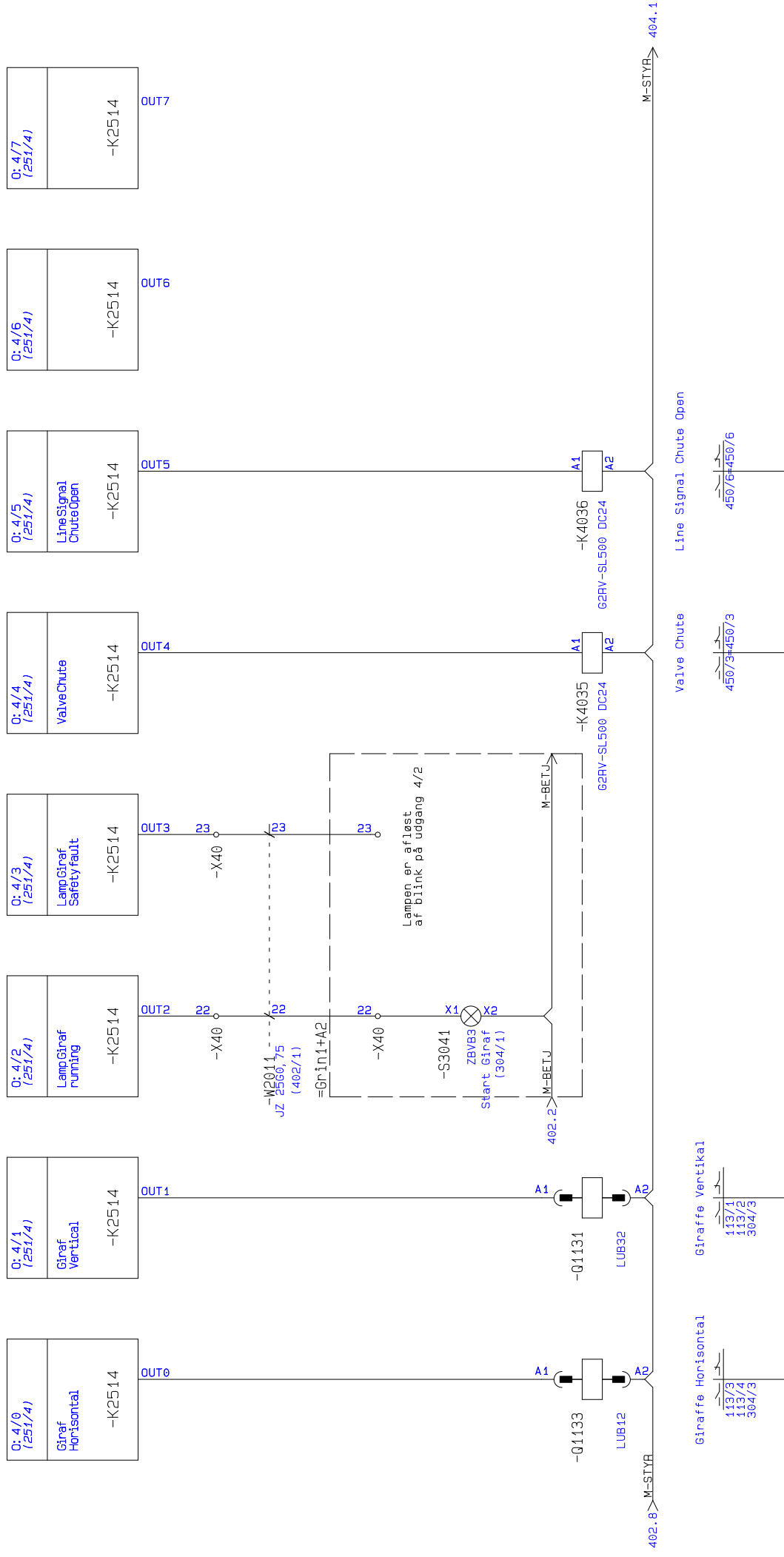




Output







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Div.

Analouge input

[illegible]

Part list

Pos. Komponent Varenr. Type Fabrikat Forhandler Beskrivelse Placering					
1	-K				490/6
2	-K2081	102100	FX3-XTIO84002	Sick	Flexi soft I/O modul 8in/4out
3	-A0	103499	CS10256	Fibox	Skruer til PCx8x8 kasser
4	-A0	103499	CS10256	---	Skruer til PCx8x8 kasser
5	-A0	103499	CS10256	---	Skruer til PCx8x8 kasser
6	-A0	103499	CS10256	---	Skruer til PCx8x8 kasser
7	-A0	103499	CS10256	---	Skruer til PCx8x8 kasser
8	-A0	103499	CS10256	---	Skruer til PCx8x8 kasser
9	-A0	102639	EKT30-G	---	Låg EKT30-G grå 560X280
10	-A0	102638	PC5628	---	Kassebund PC5628 560X280X100
11	-A1	100057	1114.500	Rittal Sønderborg	70255900
12	-A10	102681	ABSH95G 170X140X95	Fibox	Rittal kompakttavle AE lakeret 1000x1400x300
13	-A1022	100821	CP7702-1400-0030	CarnitBeckhoff	Kasse/samlebox 170X140X95mm incl. skruer og dæksel
14	-A2521	60377	SFN 5TX	PHOENIX CONTACT A/SPHOENIX CONTACT A/S	15-inch TFT display, 1024 x 768 With Touchscreen
15	-A2526	100128	CU2008	Beckhoff	Ethernet switch 5 port 10/100mBit
16	-A2528				Beckhoff_8-port Ethernet Switch
17	-B2021	03595	LLV050058	Kendrian	Desim Elektronik A/S
18	-B2021	101190	RSG6	---	Locking solenoid 24vdc (73010055)
19	-B2041	102670	IME08-1B5PSZT0S	Sick	7-Polet connector plug til vare 60363 (73010056)
20	-B2042	102670	IME08-1B5PSZT0S	---	Induktiv føler 8mm, med M8 stik, 10-30V
21	-B2045	60391	F3S-TGR-NMPC-21-10	Omron	Induktiv føler 8mm, med M8 stik, 10-30V
22	-B2051	101113	F3S-TGR-NMPC-21-M1J8-		Kompakt magnetisk sikkerhedsswitch 10m
23	-B2051	101114	F39-TGR-CVL-B-25-R	---	Sikkerhedsswitch med stik for kabel 20M
24	-B2052	60391	F3S-TGR-NMPC-21-10	---	Reciever cable M12 8-pin female connector, schield
25	-B2055	60391	F3S-TGR-NMPC-21-10	---	Kompakt magnetisk sikkerhedsswitch 10m
26	-B2057	60391	F3S-TGR-NMPC-21-10	---	Kompakt magnetisk sikkerhedsswitch 10m
27	-B3052				
28	-B3053				
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Pos.	Komponent	Varenr.	Type	Fabrikat	Forhandler	Beskrivelse	Placering
29	-F1013	100364	GB2CB14	Telemecanique	Schneider Electric A/S	Automatsikring 1P 8A, Id=108A	101/3
30	-F1016	100914	ST 4-HESI (5X20)	PHOENIX CONTACT A/S	PHOENIX CONTACT A/S	Sikringsterminal til 5x20mm sikring	101/6
31	-F1021	100530	GB2CB09	Telemecanique	Schneider Electric A/S	Automatsikring 1P 4A, Id=52A	102/1
32	-F1101	100006	140M-J2E-D25	Rockwell Automation	A/S70110109	Håndbetjent motorværn 250Amp.	110/1
33	-F1101	100005	140U-H-EA1	---	---	Meldekontakt for Håndbetjent motorværn type 140M.*	110/5
34	-F1101	101138	140U-J-ECM	---	---	Mont. kit for kortslutbesk.	110/1
35	-F1101	101139	140U-J-TS	---	---	Klemmeafdækning for kortslutningsbesk.	110/1
36	-F1111	60354	140M-C-AFA11	---	---	Meldekontakt 1NO + 1NC (til 140M*)	111/5
37	-F1111	100172	140M-F8E-C45	---	---	Håndbetjent motorværn 45Amp.	111/1
38	-F1121	100165	140M-C2E-B40	---	---	Håndbetjent motorværn 04Amp.	112/1
39	-F1121	60354	140M-C-AFA11	---	---	Meldekontakt 1NO + 1NC (til 140M*)	112/5
40	-F2001	100530	GB2CB09	Telemecanique	Schneider Electric A/S	Automatsikring 1P 4A, Id=52A	200/1
41	-F3021	100914	ST 4-HESI (5X20)	PHOENIX CONTACT A/S	PHOENIX CONTACT A/S	Sikringsterminal til 5x20mm sikring	302/1
42	-F4501	100914	ST 4-HESI (5X20)	---	---	Sikringsterminal til 5x20mm sikring	450/1
43	-FL	102619	FB50736	Cubic	Lemwigh Müller	Cu-flex skinne FB50736	110/1
44	-K						302/1
45	-K1017	101901	NSYCCOTH0	Schneider Electric A/S		Thermostat til DIN monterig 0-60°C	101/7
46	-K1018	100490	G2RV-SL500 DC24	Omron		Relay & socket, 6A contacts, push in terminals, 24	101/8
47	-K1116	100007	20A-DG01	Rockwell Automation	A/S70110109	PF 70 Frekvensomformer Safe-Off Interface	111/6
48	-K1127	100007	20A-DG01	---	---	PF 70 Frekvensomformer Safe-Off Interface	112/7
49	-K1137	100199	LC1D32BD	Telemecanique	Schneider Electric A/S	Kontaktor 32A 3P+1NO+1NC, Uc 24V DC	113/7
50	-K2002	102098	FX3-CPU000000	Sick		Flexi Soft controller uden EFI	50/3
51	-K2002	102099	FX3-MPL000001	---		Flexi Soft memory plug	
52	-K2011	102100	FX3-XTIO84002	---		Flexi soft I/O modul 8in/4out	50/3
53	-K2041	102100	FX3-XTIO84002	---		Flexi soft I/O modul 8in/4out	50/3
54	-K2101	100195	G7SA-3A1B 24VDC	Omron		Smal Sikkerhedsrelæ efter EN50205 4-polet	210/1
55	-K2101	100193	P7SA-10F-ND 24VDC	---		Sokkel til sikkerhedsrelæ 4-polet	
56	-K2102	100195	G7SA-3A1B 24VDC	---		Smal Sikkerhedsrelæ efter EN50205 4-polet	210/2

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Pos.	Komponent	Varenr.	Type	Fabrikat	Forhandler	Beskrivelse	Placering
57	-K2102	100193	P7SA-10F-ND 24VDC	Omron		Sokkel til sikkerhedsrelæ 4-polet	210/3
58	-K2103	100195	G7SA-3A1B 24VDC	---		Smal Sikkerhedsrelæ efter EN50205 4-polet	
59	-K2103	100193	P7SA-10F-ND 24VDC	---		Sokkel til sikkerhedsrelæ 4-polet	
60	-K2104	100195	G7SA-3A1B 24VDC	---		Smal Sikkerhedsrelæ efter EN50205 4-polet	210/4
61	-K2104	100193	P7SA-10F-ND 24VDC	---		Sokkel til sikkerhedsrelæ 4-polet	
62	-K2501	60355	1763-L16BBB	Rockwell Automation A/S70110109		MicroLogic 1100 CPU	
63	-K2511	60357	1762-IQ16	---	---	MicroLogix Inputmodul 16 Indput	250/1
64	-K2512	60358	1762-OB16	---	---	MicroLogix Outputmodul 16 Udgange	251/1
65	-K2513	60357	1762-IQ16	---	---	MicroLogix Inputmodul 16 Indput	251/2
66	-K2514	60358	1762-OB16	---	---	MicroLogix Outputmodul 16 Udgange	251/3
67	-K4004	100490	G2RV-SL500 DC24	Omron		Relay & socket, 6A contacts, push in terminals, 24	251/4
68	-K4006	100490	G2RV-SL500 DC24	---		Relay & socket, 6A contacts, push in terminals, 24	400/4
69	-K4015	100091	G2R-2-SN24DC	---		Relæ 2 polet 5A med LED	400/6
70	-K4015	100092	P2RF-08S	---		DIN-skinne sokkel for G2R-2-S, lysegrå	401/5
71	-K4016	100091	G2R-2-SN24DC	---		Relæ 2 polet 5A med LED	401/6
72	-K4016	100092	P2RF-08S	---		DIN-skinne sokkel for G2R-2-S, lysegrå	
73	-K4027	100490	G2RV-SL500 DC24	---		Relay & socket, 6A contacts, push in terminals, 24	
74	-K4028	100490	G2RV-SL500 DC24	---		Relay & socket, 6A contacts, push in terminals, 24	402/7
75	-K4035	100490	G2RV-SL500 DC24	---		Relay & socket, 6A contacts, push in terminals, 24	402/8
76	-K4036	100490	G2RV-SL500 DC24	---		Relay & socket, 6A contacts, push in terminals, 24	403/5
77	-K4902	100195	G7SA-3A1B 24VDC	---		Smal Sikkerhedsrelæ efter EN50205 4-polet	403/6
78	-K4902	100193	P7SA-10F-ND 24VDC	---		Sokkel til sikkerhedsrelæ 4-polet	490/2
79	-K5515	100091	G2R-2-SN24DC	---		Relæ 2 polet 5A med LED	
80	-K5515	100092	P2RF-08S	---		DIN-skinne sokkel for G2R-2-S, lysegrå	
81	-M1101		90kW				110/1
82	-M1111		15kW				111/1
83	-M1121		0,75kW				112/1
84	-M1131		5,5kW				113/1
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85	-M1133		2,2kW				113/3
86	-PE-SKINNE1	100451	0280300000	Weidmüller		Jordlederskinne esch 28030	100/7
87	-PE-SKINNEH1	100452	0299860000	---		Skinneholder SH 1 29986	100/7
88	-PE-SKINNES1	100454	0280100000	---		Spændestykke DS 28010	
89	-PE-SKINNES1	100453	0296700000	---		Skruer BS M 5X8 29670	100/7
90	-Q1011	100376	24982	Merlin Gerin	Schneider Electric A/S	Automatsikring C60H 2P C2	101/1
91	-Q1026	100008	20-COMM-E	Rockwell Automation A/S	70110109	PF Kommunikationskort for EtherNet/IP	252/4
92	-Q1026	100018	20AC037A0AYNANC0	---	---	PF 70 AC Frekvensomf. 400 VAC, 3 PH, 37A	111/1
93	-Q1106	100664	20-750-20COMM	---	---	PF753 Adapter card for Ethernet	110/1
94	-Q1106	101136	20-750-FLNG4-F6	---		Flange adapter frame 6	110/1
95	-Q1106	101137	20-750-PTG1+F6	---		Term guard frame 7	110/1
96	-Q1106	100663	20-750-S	---	70110109	PF 750 Safe-off modul	110/6
97	-Q1106	100008	20-COMM-E	---	---	PF Kommunikationskort for EtherNet/IP	252/3
98	-Q1106	101135	20-HIM-A6	---	---	Bejæningsmodul	110/1
99	-Q1106	100662	20F1ANC205JUN0NNNN--	---	---	PF753 110kW 3x400V inkl. EMC filter	110/1
100	-Q1121	103418	22-HIM-A3	---		Bejæningspanel til PF40P frekvensomformer	112/1
101	-Q1121	100030	22-RF012-B5	---	70110109	PF EMC filter frame B 12A max 10m kabel	112/1
102	-Q1121	100023	22D-D2P3N104	---	---	PF40P 0,75kW 3x400V ekskl. EMC filter	112/1
103	-Q1130	100199	LC1D32BD	Telemecanique	Schneider Electric A/S	Kontaktor 32A 3P+1NO+1NC, Uc 24V DC	211/1
104	-Q1131	100088	LUA1C20	---	---	Signalkontaktblok 1NO (fejll) + 1NO (klar)	113/2
105	-Q1131	100082	LUB32	---	---	Grundmodul 32A 3P+1NO+1NC	403/2
106	-Q1131	100087	LUCA18BL	---	---	Overstrømsmodul S3P10 4,5-18A Uc 24VDC	113/1
107	-Q1131/1	102136	RLT16/3PM-D1/Z33S	Sonthelmer		Reperationsafbryder 3P 16A	113/1
108	-Q1133	100088	LUA1C20	Telemecanique	Schneider Electric A/S	Signalkontaktblok 1NO (fejll) + 1NO (klar)	113/4
109	-Q1133	100081	LUB12	---	---	Grundmodul 12A 3P+1NO+1NC	403/1
110	-Q1133	100086	LUCA12BL	---	---	Overstrømsmodul S3P10 3-12A Uc 24VDC	113/3
111	-Q1133/1	102136	RLT16/3PM-D1/Z33S	Sonthelmer		Reperationsafbryder 3P 16A	113/3
112	-Q1137	100187	24999	Merlin Gerin	Schneider Electric A/S	Automatsikring C60H C 10A 3P	113/7

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113	-R1113	100557	MRA02073K32BTA015	Arcol	RS komponents	Modstand 3,32kohm, 0,25w	111/3								Konstr. (project/page):		/		Number of pages		64	
114	-S1001	102131	HLT250/3E/Z1/33	Sontheimer	Desim Elektronik A/S	Forsyningsadskiller 250A	100/1								Approved. (init/date):		/		10-10-2011		Project rev.:	
115	-S1001	101260	PE250E	---	---	PE skinne til forsyningsadskiller 250A og 180A	100/1								Last edited							
116	-S2015	0_Liste_1	Liste			Partliste til Nødstopstryk uden hus	201/5															
117	-S2015	301803	ZB5AS844	Telemecanique	Schneider Electric A/S	Sikkerhedsnødstoptryk Ø40, tryk-drej																
118	-S2015	100077	ZB5AZ009	---	---	Krop til ZBE elementer + ZBV blokke																
119	-S2015	100075	ZBE101	---	---	KONTAKTELEMENT 1 SLUTTE																
120	-S2015	100076	ZBE102	---	---	KONTAKTELEMENT 1 BRYDE																
121	-S2015	100076	ZBE102	---	---	KONTAKTELEMENT 1 BRYDE																
122	-S2015	101341	ZBY9101	---	---	Skilt Ø60 gul uden tekst	201/5															
123	-S2017	0_Liste_1	Liste			Partliste til Nødstopstryk uden hus	201/7															
124	-S2017	301803	ZB5AS844	Telemecanique	Schneider Electric A/S	Sikkerhedsnødstoptryk Ø40, tryk-drej																
125	-S2017	100077	ZB5AZ009	---	---	Krop til ZBE elementer + ZBV blokke																
126	-S2017	100075	ZBE101	---	---	KONTAKTELEMENT 1 SLUTTE																
127	-S2017	100076	ZBE102	---	---	KONTAKTELEMENT 1 BRYDE																
128	-S2017	100076	ZBE102	---	---	KONTAKTELEMENT 1 BRYDE																
129	-S2017	101341	ZBY9101	---	---	Skilt Ø60 gul uden tekst	201/7															
130	-S2031	0_Liste_1	Liste			Partliste til Nødstopstryk uden hus	203/1															
131	-S2031	301803	ZB5AS844	Telemecanique	Schneider Electric A/S	Sikkerhedsnødstoptryk Ø40, tryk-drej																
132	-S2031	100077	ZB5AZ009	---	---	Krop til ZBE elementer + ZBV blokke																
133	-S2031	100075	ZBE101	---	---	KONTAKTELEMENT 1 SLUTTE																
134	-S2031	100076	ZBE102	---	---	KONTAKTELEMENT 1 BRYDE																
135	-S2031	100076	ZBE102	---	---	KONTAKTELEMENT 1 BRYDE																
136	-SUPPLY1001						100/1															
137	-T1011	100556	ABL8RPS24100	Telemecanique	Schneider Electric A/S	Strømforsyning SMPs, Pri:100-500V Sek:24VDC 10A	101/1															
138	-T1016	100677	NSYCAG223LPF	Schneider Electric A/S	---	Rist 223x223 RAL7035	101/5															
139	-T1016	100676	NSYCVF165M24DPF	---	---	Ventilator m/filter 165m³/t 24VDC	101/6															
140	-T4001	100210	E233-12/48VDC	ABB		Digital tilmættæller (1 tæller, u. reset)	400/1															

Pos. Komponent Varenr. Type Fabrikat Forhandler Beskrivelse Placering					
141	-W1001				100/1
142	-W1021	101280	JZ 3G0,75	Lemwigh Müller	STYREKABEL JZ 3G0,75 U/SK. 102/1
143	-W1025	101280	JZ 3G0,75	---	STYREKABEL JZ 3G0,75 U/SK. 102/5
144	-W1101	100434	CY-JB TR. 4G95,0	33141414	STYREK.CY-JB TR. 4G95,0 SK. T-500 110/1
145	-W1102	100416	OZ 2X0,75	---	STYREKABEL OZ 2X0,75 U/SK.T-500 110/2
146	-W1111	100427	CY-JZ TR. 4G6	---	STYREK.CY-JZ TR. 4G6 SK. T-500 111/1
147	-W1112	100423	JZ 25G0,75	---	STYREKABEL JZ 25G0,75 U/SK.AFM. 111/2
148	-W1121	100424	CY-JZ 4G1,5	---	STYREK.CY-JZ TR. 4G1,5 SK. T-500 112/1
149	-W1126	100416	OZ 2X0,75	---	STYREKABEL OZ 2X0,75 U/SK.T-500 112/6
150	-W1131	101299	JZ 4G 1,5	Lemwigh Müller	STYREKABEL JZ 4G 1,5 U/SK. 113/1
151	-W1133	101299	JZ 4G 1,5	---	STYREKABEL JZ 4G 1,5 U/SK. 113/3
152	-W2011	100423	JZ 25G0,75	33141414	STYREKABEL JZ 25G0,75 U/SK.AFM. 201/1
153	-W2013	100419	JZ 7G0,75	---	STYREKABEL JZ 7G0,75 U/SK. 201/3
154	-W2015	100419	JZ 7G0,75	---	STYREKABEL JZ 7G0,75 U/SK. 201/5
155	-W2021	100419	JZ 7G0,75	---	STYREKABEL JZ 7G0,75 U/SK. 202/1
156	-W2025	100421	JZ 10G0,75	---	STYREKABEL JZ 12G0,75 U/SK.T-500 201/7
157	-W2031	100419	JZ 7G0,75	---	STYREKABEL JZ 7G0,75 U/SK. 203/1
158	-W2035	100419	JZ 7G0,75	---	STYREKABEL JZ 7G0,75 U/SK. 203/5
159	-W2041	102690	DOL-0803-W05M	Sick	Sick følerkabel 5m M8 stik VINKLET 3 leder 204/1
160	-W2042	102690	DOL-0803-W05M	---	Sick følerkabel 5m M8 stik VINKLET 3 leder 204/2
161	-W2045	100419	JZ 7G0,75	33141414	STYREKABEL JZ 7G0,75 U/SK. 204/5
162	-W2051	101114	F39-TGR-CVL-B-25-R	Omron	Reciever cable M12 8-pin female connector, schield 205/1
163	-W2053	100420	JZ 10G0,75	33141414	STYREKABEL JZ 10G0,75 U/SK.T-500 205/3
164	-W2053/1	100420	JZ 10G0,75	---	STYREKABEL JZ 10G0,75 U/SK.T-500 205/3
165	-W2055	100420	JZ 10G0,75	---	STYREKABEL JZ 10G0,75 U/SK.T-500 205/5
166	-W2057	100420	JZ 10G0,75	---	STYREKABEL JZ 10G0,75 U/SK.T-500 205/7
167	-W3021	100418	JZ 5G0,75	---	STYREKABEL JZ 5G0,75 U/SK. 302/1
168	-W3052				305/2
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169	-W4501				450/1
170	-W4502				450/2
171	-W4503				450/3
172	-W4504				450/4
173	-W4901	100419	JZ 7G0,75	33141414	STYREKABEL JZ 7G0,75 U/SK.
174	-W4906	100419	JZ 7G0,75	---	STYREKABEL JZ 7G0,75 U/SK.
175	-X6	100909	ST 1,5	PHOENIX CONTACT A/S/PHOENIX CONTACT A/S Fjederkraftklemme	
176	-X6	101229	ST 2,5	---	Fjederkraftklemme 2,5mm²
177	-X6	101231	ST 2,5-PE	---	Fjederkraft-jordklemme, 2.5mm² grøn/gul
178	-X7	101229	ST 2,5	---	Fjederkraftklemme 2,5mm²
179	-X7	101231	ST 2,5-PE	---	Fjederkraft-jordklemme, 2.5mm² grøn/gul
180	-X8	100909	ST 1,5	---	Fjederkraftklemme
181	-X10	100909	ST 1,5	---	Fjederkraftklemme
182	-X11	100909	ST 1,5	---	Fjederkraftklemme
183	-X13	100909	ST 1,5	---	Fjederkraftklemme
184	-X14	100909	ST 1,5	---	Fjederkraftklemme
185	-X15	100909	ST 1,5	---	Fjederkraftklemme
186	-X16	101229	ST 2,5	---	Fjederkraftklemme 2,5mm²
187	-X16	101231	ST 2,5-PE	---	Fjederkraft-jordklemme, 2.5mm² grøn/gul
188	-X21	100909	ST 1,5	---	Fjederkraftklemme
189	-X22	100909	ST 1,5	---	Fjederkraftklemme
190	-X23	100909	ST 1,5	---	Fjederkraftklemme
191	-X24	100909	ST 1,5	---	Fjederkraftklemme
192	-X24	100912	ST 1,5-PE	---	Fjederkraft-jordklemme, grøn/gul
193	-X30	100909	ST 1,5	---	Fjederkraftklemme
194	-X31	100909	ST 1,5	---	Fjederkraftklemme
195	-X32	100909	ST 1,5	---	Fjederkraftklemme
196	-X33	100909	ST 1,5	---	Fjederkraftklemme
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197	-X34	100909	ST 1,5	PHOENIX CONTACT A/S	PHOENIX CONTACT A/S	Fjederkraftklemme	205/1
198	-X35	100909	ST 1,5	---	---	Fjederkraftklemme	205/3
199	-X35	100912	ST 1,5-PE	---	---	Fjederkraft-jordklemme, grøn/gul	205/8
200	-X40	100909	ST 1,5	---	---	Fjederkraftklemme	201/1
201	-X40	100914	ST 4-HESI (5X20)	---	---	Sikringsterminal til 5x20mm sikring	302/2
202	-X41	100909	ST 1,5	---	---	Fjederkraftklemme	302/1
203	-X42	100909	ST 1,5	---	---	Fjederkraftklemme	305/4
204	-X42	100914	ST 4-HESI (5X20)	---	---	Sikringsterminal til 5x20mm sikring	305/4
205	-X44	100909	ST 1,5	---	---	Fjederkraftklemme	303/4
206	-X45	100909	ST 1,5	---	---	Fjederkraftklemme	303/5
207	-X46	100909	ST 1,5	---	---	Fjederkraftklemme	303/6
208	-X47	100909	ST 1,5	---	---	Fjederkraftklemme	305/2
209	-X48	100909	ST 1,5	---	---	Fjederkraftklemme	305/3
210	-X55	100909	ST 1,5	---	---	Fjederkraftklemme	450/5
211	-X56	100909	ST 1,5	---	---	Fjederkraftklemme	450/6
212	-X70	100909	ST 1,5	---	---	Fjederkraftklemme	450/2
213	-X86	100909	ST 1,5	---	---	Fjederkraftklemme	490/1
214	-X86	100912	ST 1,5-PE	---	---	Fjederkraft-jordklemme, grøn/gul	490/4
215	-X87	100909	ST 1,5	---	---	Fjederkraftklemme	490/6
216	-X99						113/3
217	-X99	102720	HDC 16B DODQ 4BO - 106586100180			Dæksel u.pakning f.str.16B f.2 bøjler	113/4
218	-X99	102721	HDC 16B SBU 1M25G - 1899980000			Sokkelhus str.6 f.1xM25 m.2 bøjler	113/4
219	-X99	102724	HDC 16B TSBU 1M25G --4788180000			Kabelhus str.6 f.1xM25 side f.2 bøjler	113/4
220	-X99	102725	HDC HE 16 FT - 1745780000			Hun-Indsats 16 pol+j f.fjeder-ben	113/4
221	-X99	102722	HDC HE 16 MT - 1745840000			Han-Indsats 16 pol+j f.fjeder-ben	113/4
222	-Y4501						450/1
223	-Y4502						450/2
224	-Y4503						450/3

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225	-Y4504				450/4
226	-A2	324963			CT Designpanel PVP600 31xx 10 huller Combihakker C
227	-E3501	100394	160-578	RS Components	
228	-E3501	100393	189-8779		
229	-S2011	0_Liste_1	Liste		KØLEPLADE 1.5K/W
230	-S2011	301803	ZB5AS844	Telamecanique	Partliste til Nødstopstryk uden hus
231	-S2011	100077	ZB5AZ009	---	Sikkerhedsnødstoptryk Ø40, tryk-drej
232	-S2011	100075	ZBE101	---	Krop til ZBE elementer + ZBV blokke
233	-S2011	100076	ZBE102	---	KONTAKTELEMENT 1 SLUTTE
234	-S2011	100076	ZBE102	---	KONTAKTELEMENT 1 BRYDE
235	-S2011	101341	ZBY9101	---	KONTAKTELEMENT 1 BRYDE
236	-S3022	100071	ZB5AW333	---	Skilt Ø60 gul uden tekst
237	-S3022	100077	ZB5AZ009	---	LAMPETRYKSHOVED GRØN PLAN
238	-S3022	100075	ZBE101	---	Krop til ZBE elementer + ZBV blokke
239	-S3022	101374	ZBVB3	---	KONTAKTELEMENT 1 SLUTTE
240	-S3023	100072	ZB5AW343	---	Lampeelement m/LED grøn 24VAC/DC
241	-S3023	100077	ZB5AZ009	---	LAMPETRYKSHOVED RØD PLAN
242	-S3023	100076	ZBE102	---	Krop til ZBE elementer + ZBV blokke
243	-S3024	100070	ZB5AA18	---	KONTAKTELEMENT 1 BRYDE
244	-S3024	100077	ZB5AZ009	---	TRYKKNAP PLAN HVID FOR SKILT
245	-S3024	100075	ZBE101	---	Krop til ZBE elementer + ZBV blokke
246	-S3025	100073	ZB5AW353	---	KONTAKTELEMENT 1 SLUTTE
247	-S3025	100077	ZB5AZ009	---	LAMPETRYKSHOVED GUL PLAN
248	-S3025	100075	ZBE101	---	Krop til ZBE elementer + ZBV blokke
249	-S3025	101376	ZBVB5	---	KONTAKTELEMENT 1 SLUTTE
250	-S3026	100077	ZB5AZ009	---	Lampeelement m/LED gul 24VAC/DC
251	-S3026	100079	ZB5Ad2	---	Krop til ZBE elementer + ZBV blokke
252	-S3026	100075	ZBE101	---	Drejegreb 2 faste stillinger (Kort greb)
					KONTAKTELEMENT 1 SLUTTE
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Project nr.: ON268640004					10-10-2011
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Bill Of Material

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Pos. Part number Text				Type				Drawing nr.:				Drawing nr.:							
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Pos. Part number Text				Type				Approved. (init/date):				Approved. (init/date):				Number of pages			
Pos. Part number Text				Type				Last edited				10-10-2011				Project rev.:			
Pos. Part number Text				Make															
1	100210	Digital timetæller (1 tæller, u. reset)	ABB	E233-12/48VDC	1														
2	100557	Modstand 3,32kohm, 0,25w	Arcol	MRA02073K32BTA015	1														
3	100128	Beckhoff_8-port Ethernet Switch	Beckhoff	CU2008	1														
4	100821	15-inch TFT display, 1024 x 768 With Touchscreen	---	P7702-1400-0030 C	1														
5	102619	Cu-flex skinne FB50736	Cubic	FB50736	4														
6	102638	Kassebund PC5628 560X280X100	Fibox	PC5628	1														
7	102639	Låg EKT30-G grå 560X280	---	EKT30-G	1														
8	102681	Kasse/samlbox 170X140X95mm incl. skruer og dæksel	---	DEBSH05G-170X140X95	1														
9	103499	Skruer til PCx8x8 kasser	---	CS10256	6														
10	03595	Locking solenoid 24vdc (73010055)	Kendrian	LLV050058	1														
11	101190	7-Polet connector plug til vare 60363 (73010056)	---	RS6	1														
12	100187	Automatsikring C60H C-10A 3P	Merlin Gerin	24999	1														
13	100376	Automatsikring C60H 2P C2	---	24982	1														
14	60391	Kompakt magnetisk sikkerhedsswitch 10m	Omron	F3S-TGR-NMPC-21-10	4														
15	100091	Relæ 2 polet 5A med LED	---	G2R-2-SN24DC	3														
16	100092	DIN-skinne sokkel for G2R-2-S, lysegrå	---	P2RF-08S	3														
17	100193	Sokkel til sikkerhedsrelæ 4-polet	---	P7SA-10F-ND 24VDC	5														
18	100195	Smal Sikkerhedsrelæ efter EN50205 4-polet	---	G7SA-3A1B 24VDC	5														
19	100490	Relay & socket, 6A contacts, push in terminals, 24G2RV-SL500 DC24	---		7														
20	101113	Sikkerhedsswitch med stik for kabel 20M	---	F3S-TGR-NMPC-21-M1	1														
21	101114	Reciever cable M12 8-pin female connector, schief	---	839-TGR-CVL-B-25-R	1														
22	60377	Ethernet switch 5 port 10/100mBit	PHOENIX CONTACT A/	SFN 5TX	1														
23	100909	Fjederkraftklemme	---	ST 1,5	197														
24	100912	Fjederkraft-jordklemme, grøn/gul	---	ST 1,5-PE	3														
25	100914	Sikringsterminal til 5x20mm sikring	---	ST 4-HESI (5X20)	5														
26	101229	Fjederkraftklemme 2,5mm²	---	ST 2,5	6														
27	101231	Fjederkraft-jordklemme, 2,5mm² grøn/gul	---	ST 2,5-PE	3														
28	100057	Rittal kompakttafle AE lakeret 1000x1400x300	Rittal Sønderborg	1114.500	1														
29	60354	Meldekontakt 1NO + 1NC (til 140M*)	Rockwell Automatio	140M-C-AFA11	2														
30	60355	MicroLogic 1100 CPU	---	1763-L16BBB	1														
31	60357	MicroLogix Inputmodul 16 Indput	---	1762-IQ16	2														
32	60358	MicroLogix Outputmodul 16 Udgange	---	1762-OB16	2														
33	60360	Panelview 600C+ Touchpanel i farver	---	2711PC-T6C20D	1														
34	100005	Meldekontakt for Håndbetjent motorværm type 140M40U-H-EA1	---	140M40U-H-EA1	1														
35	100006	Håndbetjent motorværm 250Amp.	---	140M-J2E-D25	1														
36	100007	PF 70 Frekvensomformer Safe-Off Interface	---	20A-DG01	2														
37	100008	PF Kommunikationskort for EtherNet/IP	---	20-COMM-E	2														
38	100018	PF 70 AC Frekvensomf. 400 VAC, 3 PH, 37A	---	20AC037A0AYNANC0	1														
39	100023	PF40P 0,75kW 3x400V ekskl. EMC filter	---	22D-D2P3N104	1														
40	100030	PF EMC filter frame B 12A max 10m kabel	---	22-RF012-BS	1														
41	100165	Håndbetjent motorværm 04Amp.	---	140M-C2E-B40	1														
42	100172	Håndbetjent motorværm 45Amp.	---	140M-F8E-C45	1														
43	100662	PF753 110kW 3x400V inkl. EMC filter	---	20F1ANC205JN0NNNN	1														
44	100663	PF 750 Safe-off modul	---	20-750-S	1														
45	100664	PF753 Adapter card for Ethernet	---	20-750-20COMM	1														
46	101135	Betjeningsmodul	---	20-HIM-A6	1														

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47	101136	Flange adapter frame 6	20-750-FLNG4-F6	Rockwell Automatico	1						
48	101137	Term guard frame 7	20-750-PTG1-F6	---	1						
49	101138	Mont. kit for kortslutbesk.	140U-J-ECM	---	1						
50	101139	Klemmeafdækning for kortslutningsbesk.	140U-J-TS	---	1						
51	103418	Bedjæningspanel til PF40P frekvensomformer	22-HIM-A3	---	1						
52	100393	KØLEPLADE 1.5KW	189-8779	RS Components	1						
53	100394	Effektmodstand i alu hus. 15w 68 ohm	160-578	---	1						
54	100676	Ventilator m/filter 165m³/t 24VDC	NSYCVF165M24DPF	Schneider Electric	1						
55	100677	Rist 223x223 RAL7035	NSYACAG223LPF	---	1						
56	101901	Thermostat til DIN monterings 0-60°C	NSYCCOTHO	---	1						
57	102098	Flexi Soft controller uden EFI	FX3-CPU000000	Sick	1						
58	102099	Flexi Soft memory plug	FX3-MPL000001	---	1						
59	102100	Flexi soft I/O modul 8in/4out	FX3-XTI084002	---	3						
60	102670	Induktiv føler 8mm, med M8 stik, 10-30V	IME08-1B5PSZTOS	---	2						
61	102690	Sick følerkabel 5m M8 stik VINKLET 3 leder	DOL-0803-W05M	---	2						
62	101260	PE skinne til forsyningsadskiller 250A og 180A	PE250E	Sontheimer	1						
63	102131	Forsyningsadskiller 250A	HLT250/3E/Z1/33	---	1						
64	102136	Reperationsafbryder 3P 16A	RLT16/3PM-D1/Z33S	---	2						
65	100067	Lampehoved for X'tra LED rød	ZB5AV043S	Telemecanique	1						
66	100068	Lampehoved for X'tra LED gul	ZB5AV053S	---	1						
67	100070	TRYKKNAP PLAN HVID FOR SKILT	ZB5AA18	---	2						
68	100071	LAMPETRYKSHOVED GRØN PLAN	ZB5AW333	---	3						
69	100072	LAMPETRYKSHOVED RØD PLAN	ZB5AW343	---	3						
70	100073	LAMPETRYKSHOVED GUL PLAN	ZB5AW353	---	1						
71	100075	KONTAKTELEMENT 1 SLUTTE	ZBE101	---	12						
72	100076	KONTAKTELEMENT 1 BRYDE	ZBE102	---	7						
73	100077	Krop til ZBE elementer + ZBV blokke	ZB5AZ009	---	16						
74	100079	Drejegreb 2 faste stillinger (Kort greb)	ZB5Aa2	---	2						
75	100081	Grundmodul 12A 3P+1NO+1NC	LUB12	---	1						
76	100082	Grundmodul 32A 3P+1NO+1NC	LUB32	---	1						
77	100086	Overstrømsmodul S3P10 3-12A Uc 24VDC	LUCA12BL	---	1						
78	100087	Overstrømsmodul S3P10 4,5-18A Uc 24VDC	LUCA18BL	---	1						
79	100088	Signalkontaktblok 1NO (fej) + 1NO (klar)	LUA1C20	---	2						
80	100199	Kontaktor 32A 3P+1NO+1NC, Uc 24V DC	LC1D32BD	---	2						
81	100364	Automatsikring 1P 8A, Id=108A	GB2CB14	---	1						
82	100391	Trykknappkasse tom med 3 huller Ø22, Grå	XALD03	---	1						
83	100530	Automatsikring 1P 4A, Id=52A	GB2CB09	---	2						
84	100556	Strømforsyning SMPS, Pri:100-500V Sek:24VDC	XL8RPS24100	---	1						
85	100680	Nøglegreb 2 faste stillinger	ZB5AG2	---	1						
86	101341	Skilt Ø60 gul uden tekst	ZBY9101	---	1						
87	101374	Lampeelement m/LED grøn 24VAC/DC	ZBVB3	---	3						
88	101375	Lampeelement m/LED rød 24VAC/DC	ZBVB4	---	1						
89	101376	Lampeelement m/LED gul 24VAC/DC	ZBVB5	---	2						
90	301803	Sikkerhedsnødstoptryk Ø40, tryk-drej	ZB5AS844	---	2						
91	315662	Trykknappkasse tom med 2 huller Ø22, Grå	XALD02	---	1						
92	315803	Nødstopkasse tom med 1hul Ø22, Gul	XALK01	---	1						
93	100451	Jordlederskinne esch 28030	0280300000	Weidmüller	1						
94	100452	Skinneholder SH 1 29986	0299860000	---	2						
95	100453	Skruer BSM 5X8 29670	0296700000	---	4						
96	100454	Spændestykke DS 28010	0280100000	---	4						
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