



Blastrac bv
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Project description	BMG-780Pro SC UL
Drawing number	PJ09.01030.08
Arch. number	E06867/UL230

Power supply	3x230V 60Hz
Input lead	
Control Voltage	24Vdc
Year of Manufacturing	2009
Remarks	As Built

Created on	27-11-2009			
Edit date	8-2-2011	by		Number of pages 14

			Date	24-2-2010	Project name:		Page description:	Customer:	Blastrac bv.		
			Ed.		BMG-780Pro SC UL		Titelblad / voorblad	Drawing number:	PJ09.01030.08	Page	=
			Appr								+
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WIRE COLOR All wiring AWG

Main Voltage 230V

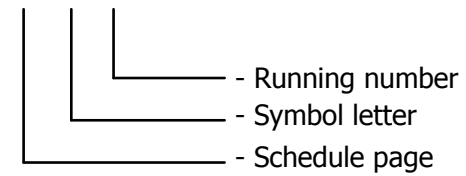
<u>Phase</u>	<u>Colors</u>
L1	- Black
L2	- Black
L3	- Black
Earth / PE	- Yellow/Green

Control Voltage

Plus (24VDC)	- White
Hook-up wire	- White
Minus / Ground (24VDC)	- White

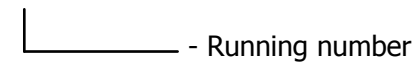
SYMBOL CODE

11 F 11



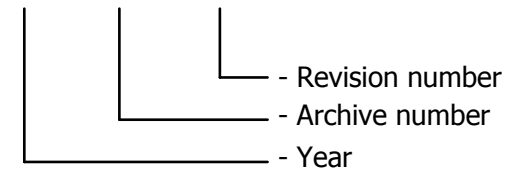
CORE CODE

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DRAWING NUMBER

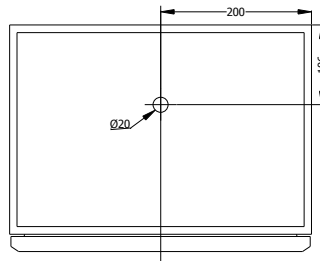
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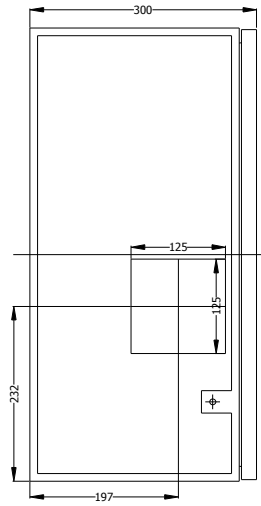
	auxiliary contact	hulpcontact		signal light	signaallamp		Safety fuse	smeltveiligheid
	Power contact	vermogenscontact		horn	hoorn		Fused switch, three-pole	schakelbare scheider
	NO contact, opens with time delay	maakcontact, vertraagd open		apm.meter	amperemeter		Fused disconnect, three-pole	scheider "klapbak"
	NO contact, closes with time delay	maakcontact, vertraagd sluitend		runninghour counter	urenteller		Main switch	hoofdschakelaar
	NC contact, opens with time delay	verbreekcontact, vertraagd open		transformer	transformator		Circuit breaker, single-pole	installatieautomaat 1-polig
	NC contact, closes with time delay	verbreekcontact, vertraagd sluitend		Contactor coil relay coil	spoel		Circuit breaker, two-pole	installatieautomaat 2-polig
	Pushbotton rebound	drukknop terugverend		Contactor/relay coil, with pick-up delay	Spoel met opkomvertraging		Circuit breaker, three-pole	installatieautomaat 3-polig
	Pushbotton locking	drukknop blijvend		Contactor/relay coil, with drop-out delay	spoel met afvalvertraging		Power circuit breaker motor overload switch with switch mechanism	motorbeveiligingsschakelaar
	Rotary switch rebound	tip draaischakelaar		Contactor pulse coil relay pulse coil,	spoel puls		Valve	elektrisch bediende klep
	Rotary switch locking	draaischakelaar		Tube light	TL verlichting		Resistor with movable contact	regelbare weerstand
	Emergency stop rotary unlock	noodstop met draaibare vrijgave		Resistor / Heating	weerstand verwarming		Terminal	rijgklem
	Thermostatic switch	thermostaat hygrostaat		Socket	wandcontactdoos		Terminal with fuse	rijgklem met zekering
	Pressure switch	drukschakelaar		Current transformer	stroomtransformator		Rectifier	gelijkrichter
	Limit switch	eindschakelaar						
	Proximity switch	naderingsschakelaar						

<table border="1"> <tr> <td>Date</td> <td>22-1-2010</td> </tr> <tr> <td>Ed.</td> <td>FJK</td> </tr> <tr> <td>Appr</td> <td></td> </tr> <tr> <td>Last print</td> <td>8-2-2011</td> </tr> </table>				Date	22-1-2010	Ed.	FJK	Appr		Last print	8-2-2011	Project name: BMG-780Pro SC UL		Page description: Symbol library	Customer: Blastrac bv.	Drawing number: PJ09.01030.08	= + Page 4
Date	22-1-2010																
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Last print	8-2-2011																

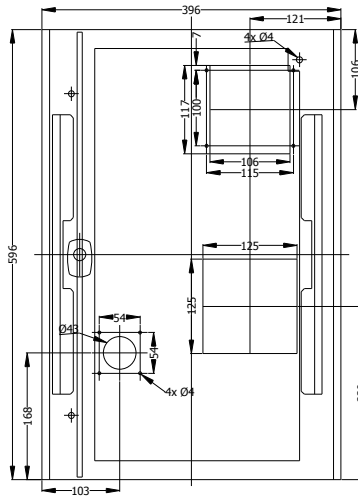
TOP VIEW



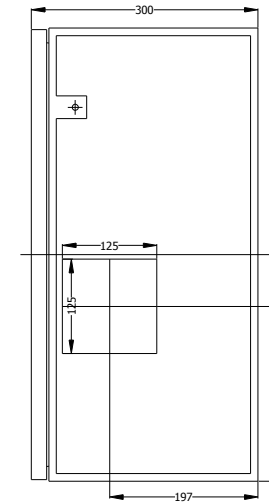
LEFTHAND VIEW
(Fan)



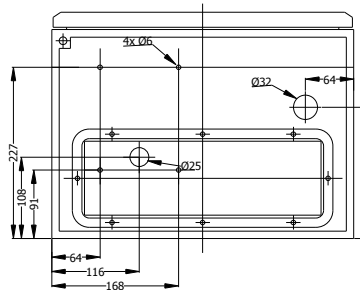
FRONT VIEW



RIGHTHAND VIEW
(Filter)



BOTTOM VIEW



Modification	Date	Name	Last print	8-2-2011
			Date	1-3-2010
			Ed.	
			Appr	

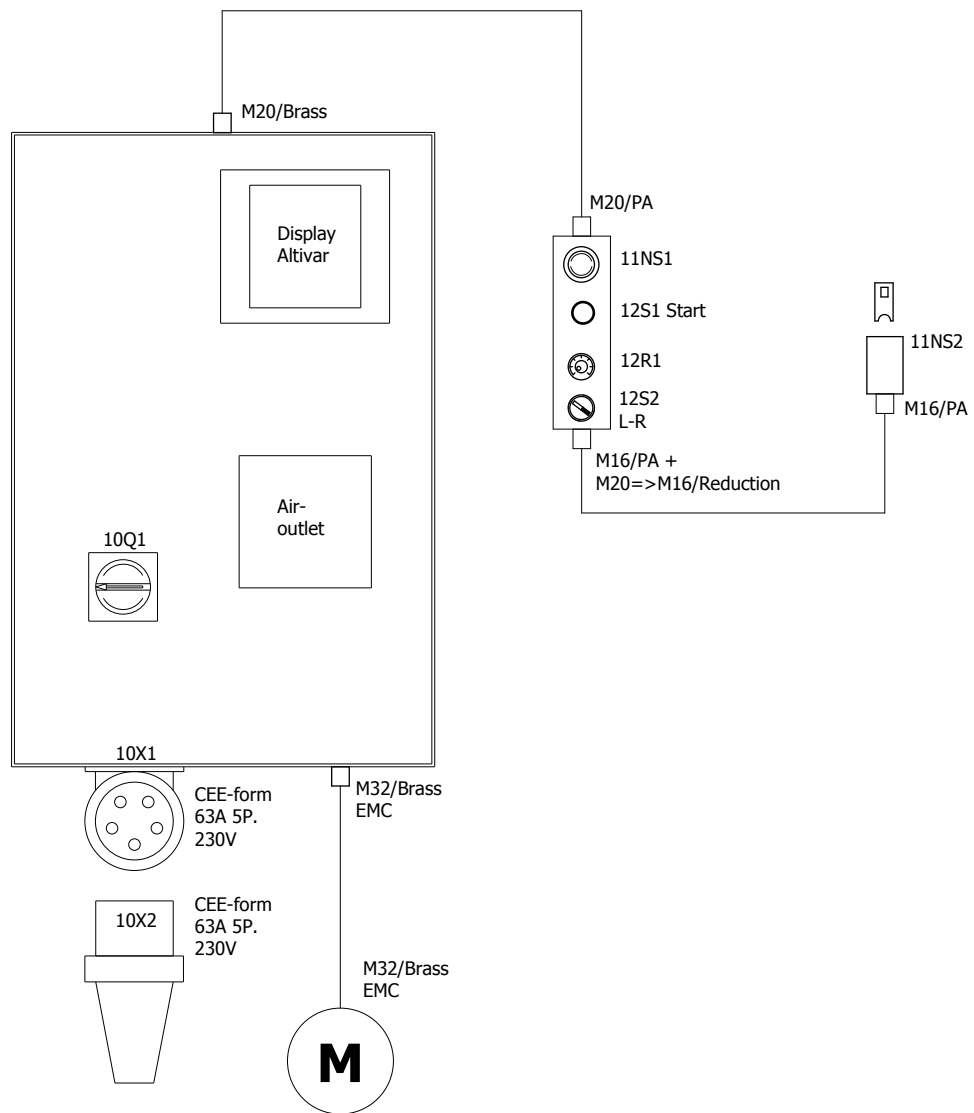
Project name:
BMG-780Pro SC UL



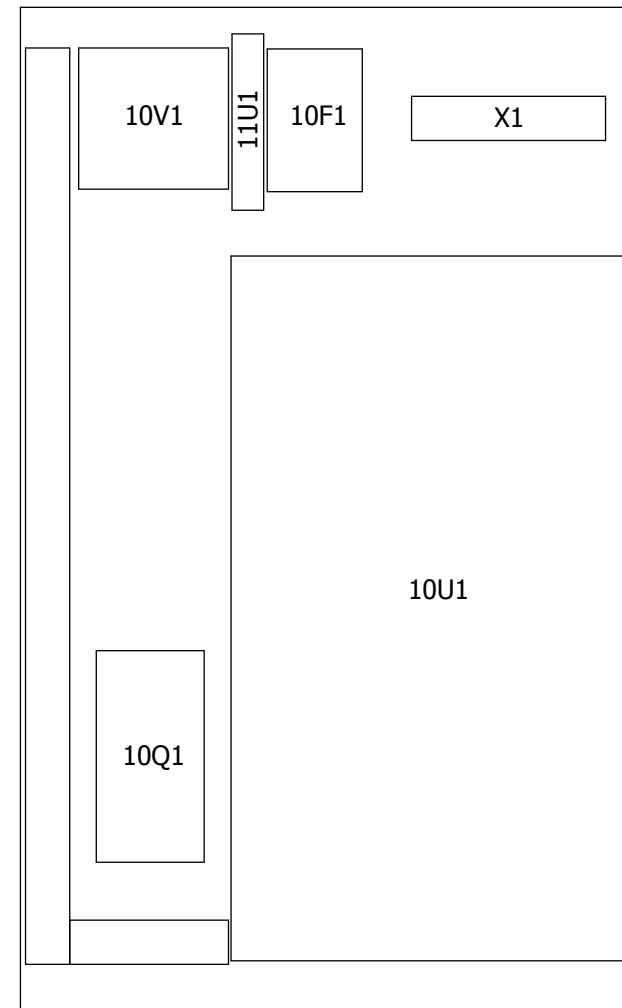
Page description:
Panel Layout

Customer:
Blastrac bv.

Drawing number:
PJ09.01030.08



Mounting plate



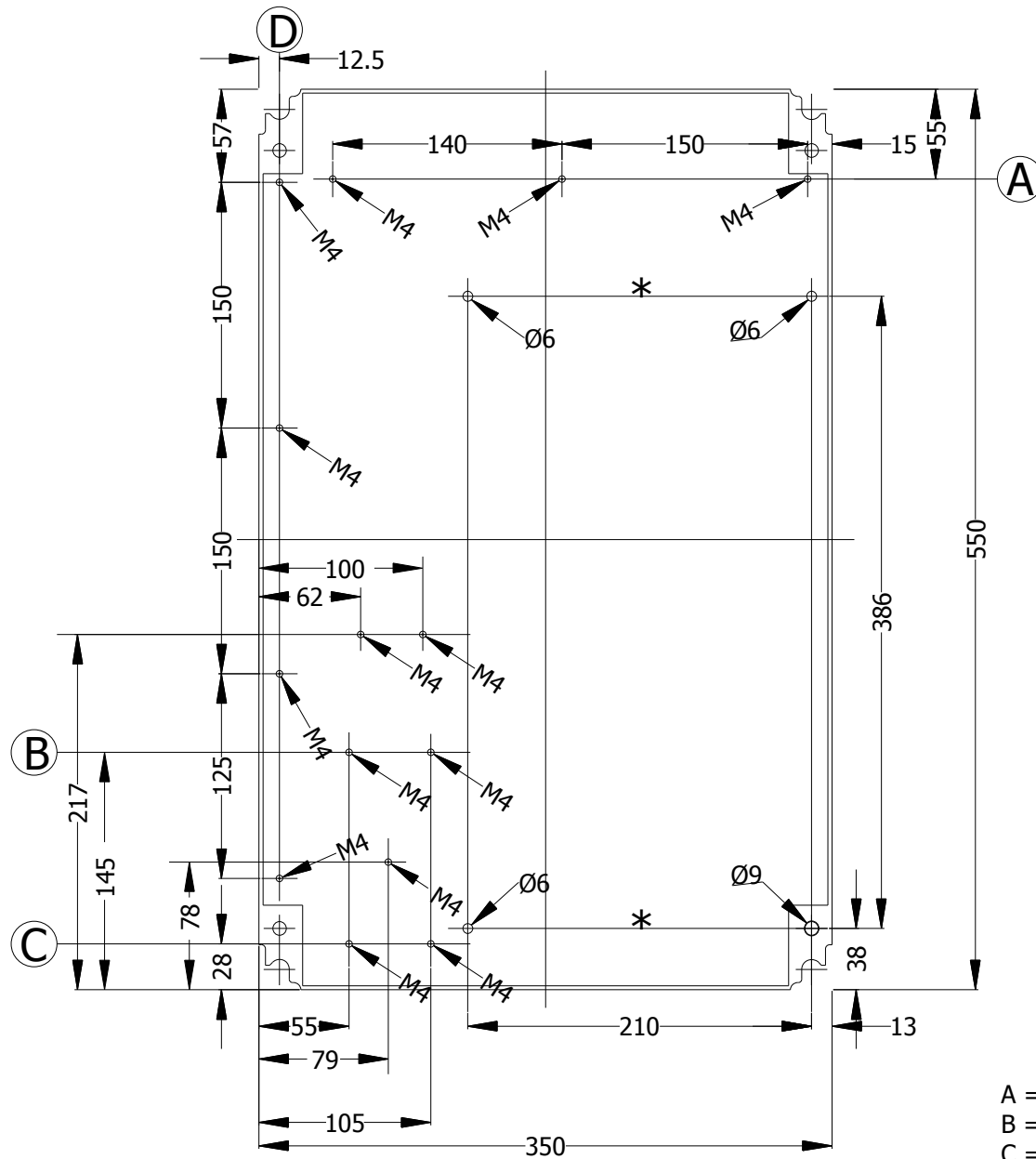
Modification	Date	Name	Date	25-2-2010
			Ed.	
			Appr	
			Last print	8-2-2011

Project name: **BMG-780Pro SC UL**



Page description: **Panel Block diagram**

Customer: **Blastrac bv.**
 Drawing number: **PJ09.01030.08**



- A = DIN-rail L=320mm (3xM4)
- B = DIN-rail L=90mm (2xM4)
- C = Cable conduit 25x60mm L=90mm (2xM4)
- D = Cable conduit 25x60mm L=520mm (4xM4)

Note *) transport securing ATV71H mounted in this position under mountingplate

Modification	Date	Name	Last print	8-2-2011
			Date	28-4-2010
			Ed.	HVDB
			Appr	

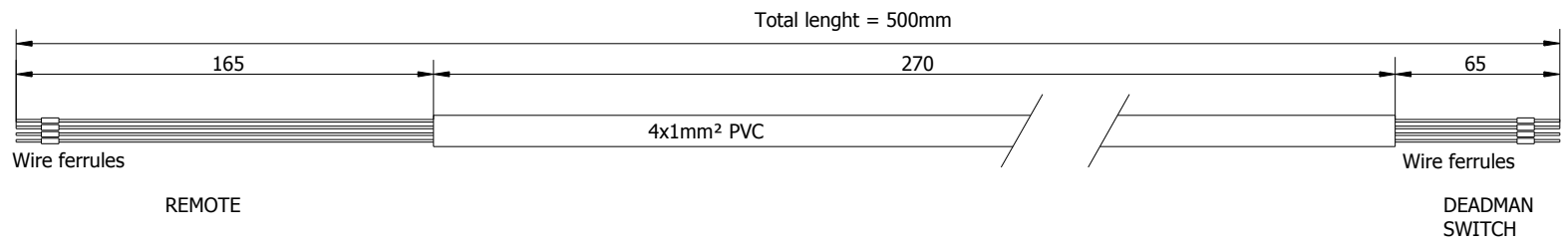
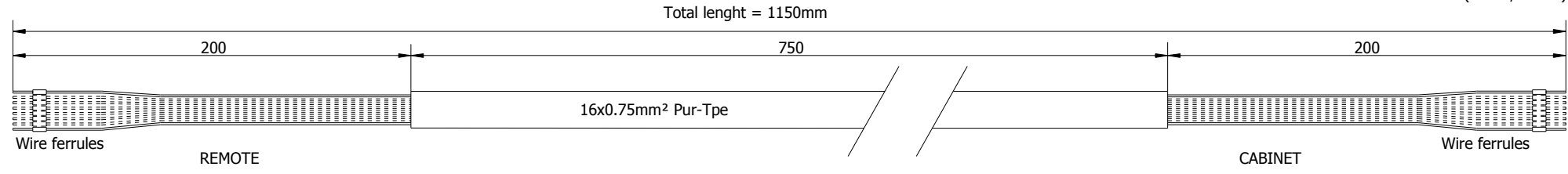
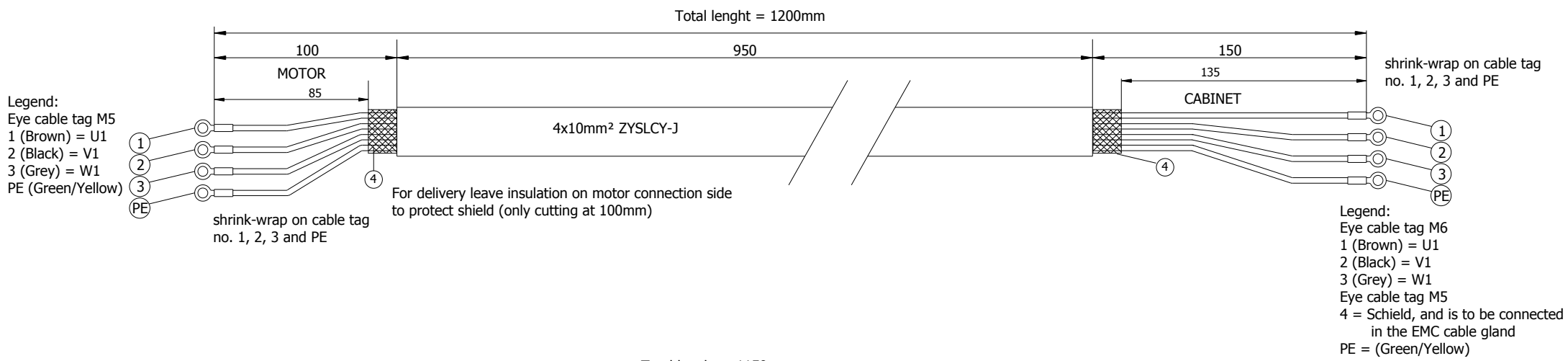
Project name:	BMG-780Pro SC UL
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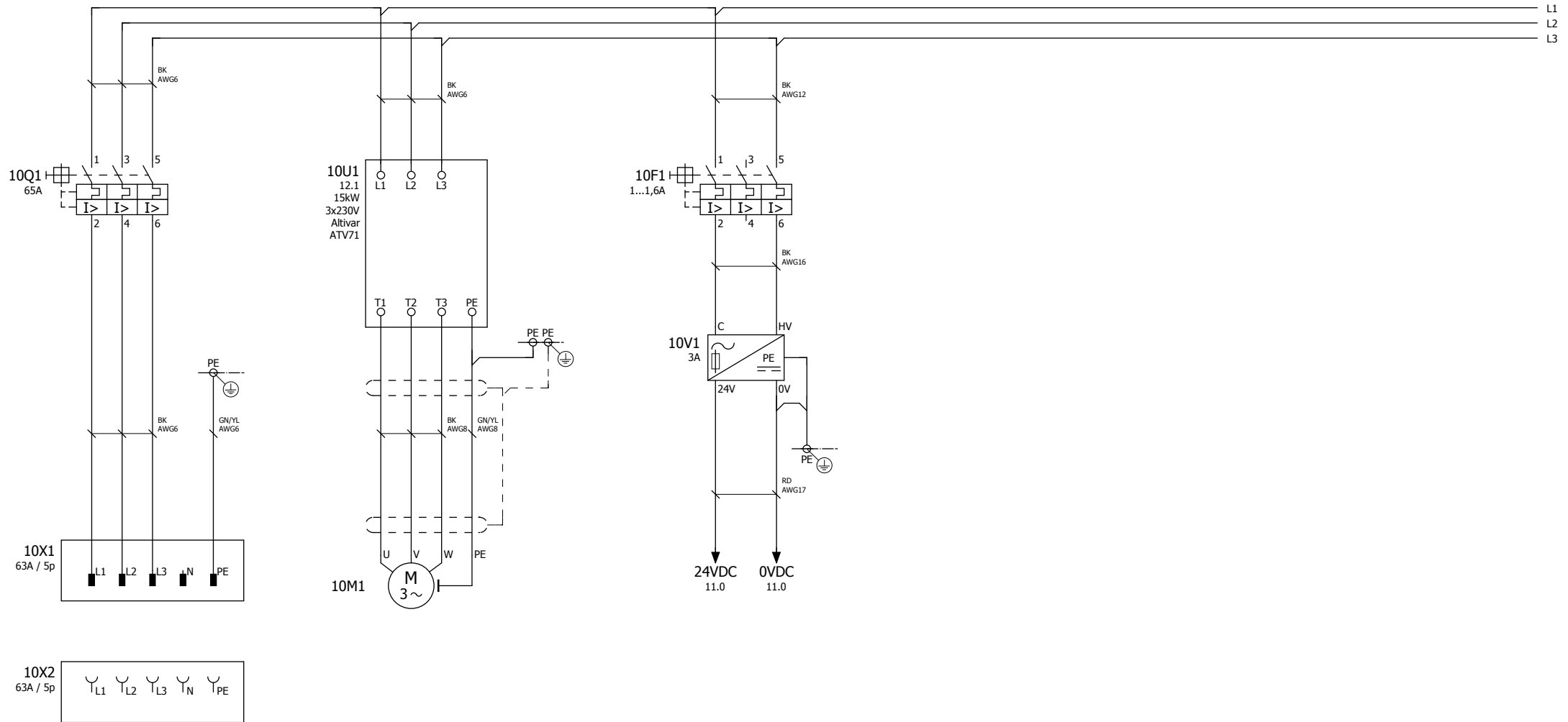


Page description:	Mounting plate
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Customer:	Blastrac bv.
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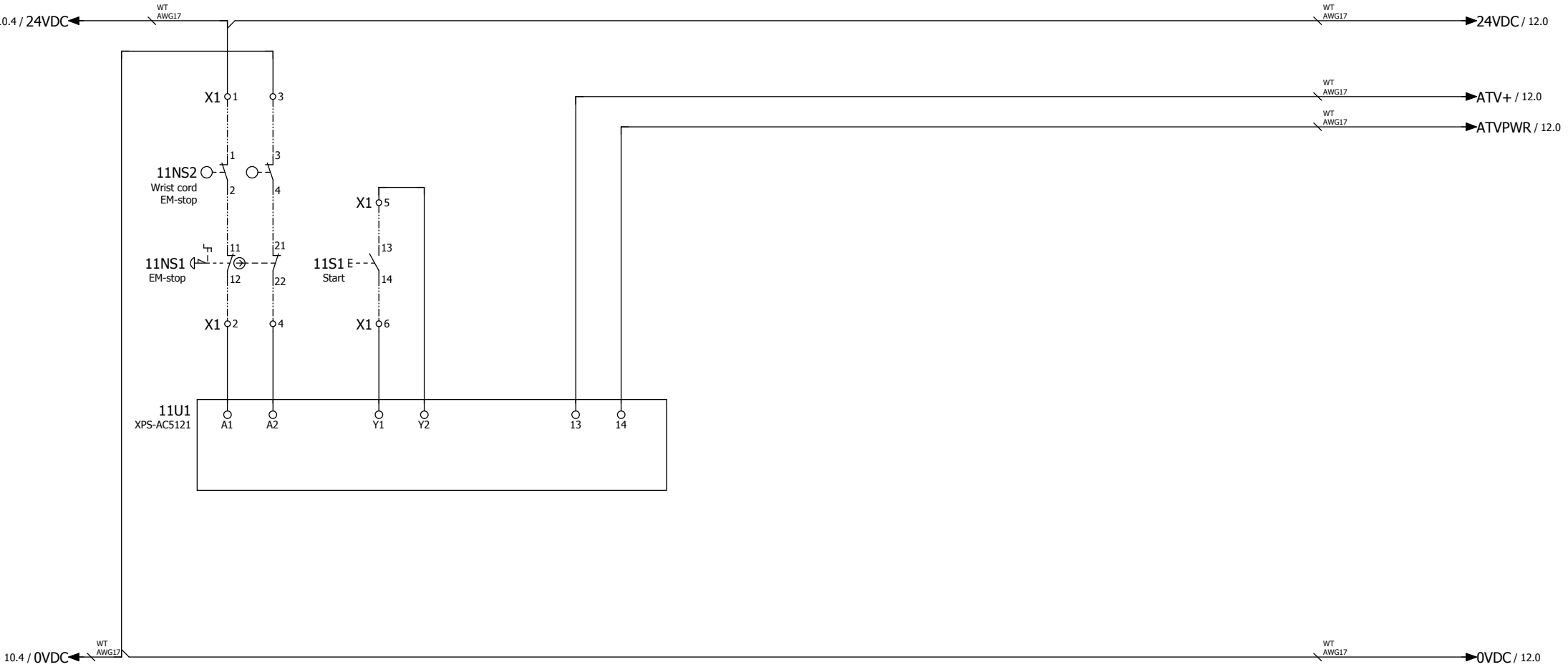


Supply CEE-form
3x230Vac 60Hz

Motor 15kW
3x230Vac 60Hz
In=58A

Control voltage
24Vdc

			Date	24-2-2010	Project name:			Page description:		Customer:		=
			Ed.		BMG-780Pro SC UL			Main Current		Blastrac bv.		
			Appr.									Drawing number:
Modification	Date	Name	Last print	8-2-2011								



Modification	Date	Name	Date	22-1-2010
			Ed.	FJK
			Appr	
			Last print	8-2-2011

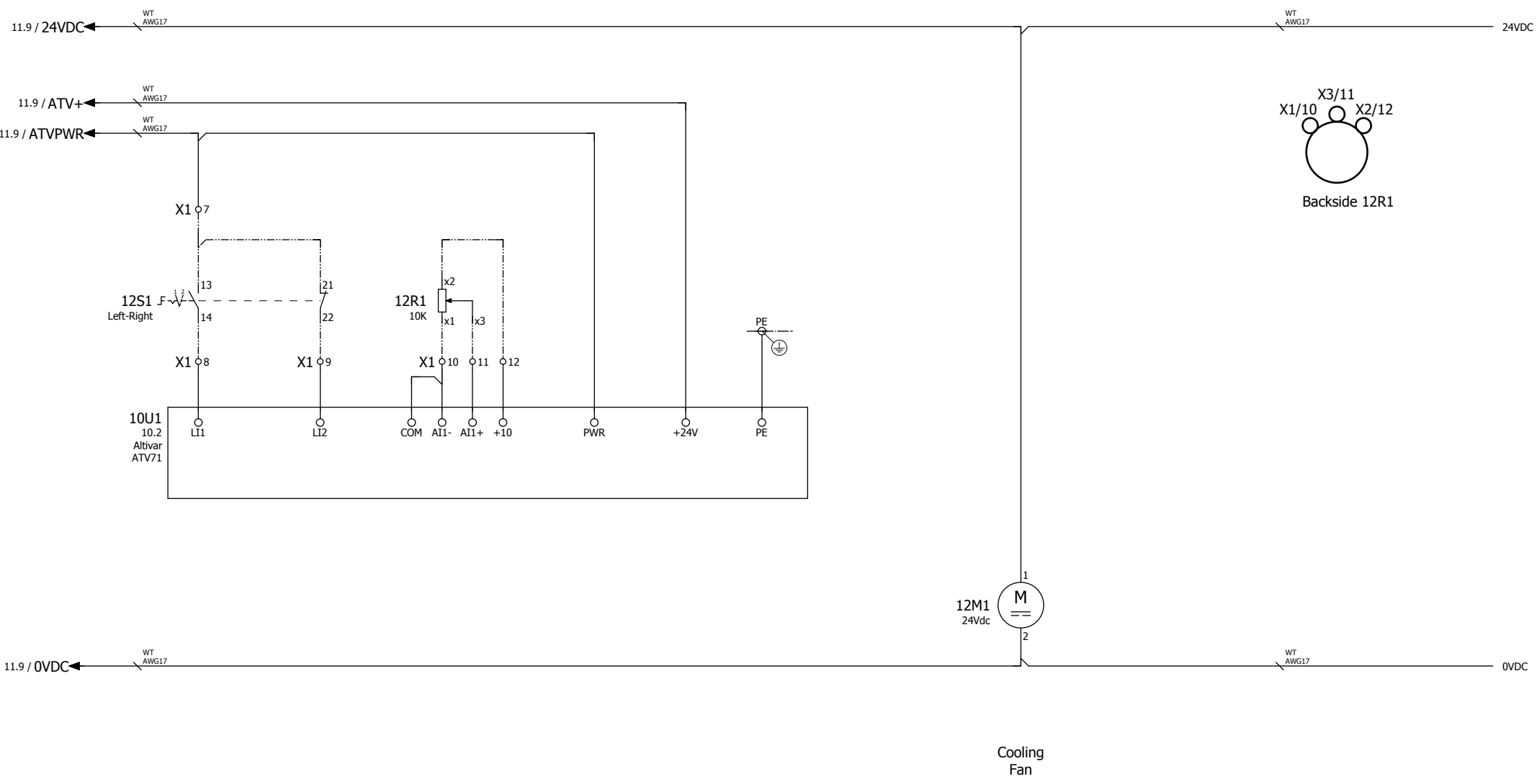
Project name:
BMG-780Pro SC UL



Page description:
Control Current

Customer:
Blastrac bv.

Drawing number:
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Modification	Date	Name	Date	24-2-2010
			Ed.	
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			Last print	8-2-2011

Project name:
BMG-780Pro SC UL



Page description:
Control Current

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Blastrac bv.

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Parts list

device tag	Quantity	designation	Type number	part number
CAB	1	Enclosure 400x600x300 with mounting plate 350x550	84002 - ENNW09120029	84002 - ENNW09120029
PG	1	Cable Gland M32*1.5 Nickel-plated EMC	50.632 M/EMV	50.632 M/EMV
PG	1	Locknut M32*1.5 Nickel-plated EMC	50.232 M/POT	50.232 M/POT
PG	1	Cable Gland M20*1.5 Nickel-plated	WARTEL L-M20*1.5	50.620 M-L
PG	1	Locknut M20*1.5 Nickel-plated	WARTELMOER M20	50.220 M
PG	1	Cable Gland M20*1.5	WARTEL PA M20*1.5	50.620 PA7035
PG	2	Locknut M20*1.5	WARTELMOER M20	50.220 PA7035
PG	2	Cable Gland M16*1.5	WARTEL PA M16*1.5	50.616 PA7035
PG	1	Locknut M16*1.5	WARTELMOER M16	50.216 PA7035
PG	1	Reduction M20 -> M16*1.5	Reduction PA M20->M16*1.5	M20M16PA
PG	1	Locknut M25*1.5 Nickel-plated EMC	50.225 M/POT	50.225 M/POT
PG	1	Cable Gland M25*1.5 Nickel-plated EMC	50.625 M/EMV	50.625 M/EMV
CRB	1	Enclosure RAL7035/7016 for 4 buttons	XAL D04	XAL D04
10X1	1	63A CEE-form Wall outlet socket 9h IP67	ABL G53S25	G53S25
10X2	1	63A CEE-form Socket 9h IP67	ABL K53S25	K53S25
10Q1	1	Motor circuit breaker 65A 3p	TELE GV3-P65	GV3 P65
10Q1	1	Large spacing UL	TELE GV3-G66	GV3 G66
10Q1	1	Axle + black ON/OFF handle	TELE GV3AP03	GV3AP03
10U1	1	Frequency controller 15kW 3x230V	ATV71 HD15 M3X 3*230V	ATV71 HD15 M3X
10F1	1	Transformer circuit breaker 1..1.6A	GV2 RT06	GV2RT06
10V1	1	Power Supply 400/24V 3A	ABL8RPS24030	ABL8RPS24030
11U1	1	Emergency stop relay	XPS-AC5121	XPS-AC5121
11NS2	1	Safety switch + Pin	XCS-PA792 + XCS-Z11	XCS-PA792 + XCS-Z11
11NS1	1	Emergency stop	ZB5 AS844	ZB5 AS844
11NS1	2	element NC XAL	ZEN L1121	ZEN L1121
11S1	1	Pushbutton GREEN "START"	ZB5 AA333	08.01.0237
11S1	1	element NO XAL	ZEN L1111	ZEN L1111
12S1	1	Switch handle	ZB5 AD2	ZB5 AD2
12S1	1	element NC XAL	ZEN L1121	ZEN L1121
12S1	1	element NO XAL	ZEN L1111	ZEN L1111
12R1	1	Trim-pot 10K	Potmeterset 10K ZB4	Potmeterset 10K ZB4
12R1	1	Pot.meter	ZB5 AD912	ZB5 AD912
12M1	1	Fan 24Vdc	FAN 119*119*38 24VDC	4414 N
12M1	1	Fan finger guard	FG LZ30-4	LZ30-4