



Blastrac bv
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Project description	500E SB UL 35HP		
Drawing number	PJ10-1058.15		
Blastrac number	E00286/35HP		
Power supply	480Y/277		
Input lead	Input lead		
Control Voltage	24Vdc		
Year of Manufacturing	2010		
Remarks	As built		
Created on	24-12-2010	by	HvdB
Edit date	5-2-2015	by	HVDB
			Number of pages 16

Revision	Date	Discription	Remark	Editor
01	13-01-2011	As built	Engeneering Art4	HvdB
02	21-03-2011	Setting softstarter added, numbering updated	Engeneering Art4	HvdB
03	21-04-2011	Dead man switch added and connector types added	Engeneering Art4	HvdB
04	17-05-2011	Dead man switch added in Lay-out drawing	Engeneering Art4	HvdB
05	12-08-2011	Cable set updated	Engeneering Art4	HvdB
06	29-09-2011	Cable set modified	Engeneering Art4	KS
07	05-09-2012	Cable set,dim. in lay-out and wire no page 13 modified	Engeneering Art4	HvdB
08	25-07-2013	Lay-out changed	Engeneering Art4	HvdB
09	04-11-2013	Part list updated with correct wire color	Engeneering Art4	HvdB
10	09-01-2014	Earth connection deleted to softstarter (no connection on starter for PE)	Engeneering Art4	HvdB
11	02-09-2014	Dimmensins added in panel lay-out	Engeneering Art4	HvdB
12	18-09-2014	Type of circuit breaker changed	Engeneering Art4	HvdB
13	03-11-2014	Type of circuit breaker in partlist changed due to wrong selection. 60A instead of 50A	Engeneering Art4	HvdB
14	07-01-2015	Type of Fan changed	Engeneering Art4	HvdB
15	04-02-2015	Cable brand changed for 7x1.5 kabel	Engeneering Art4	HvdB

WIRE COLOR

Main Voltage 400/230V

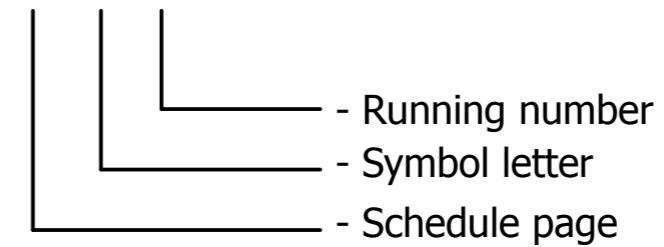
<u>Phase</u>	<u>Colors</u>
L1	- Black
L2	- Black
L3	- Black
N	- Light Blue
Earth / PE	- Yellow/Green

Control Voltage

Phase (230VAC)	- Red
Hook-up wire	- Red
Neutral (230VAC)	- Red
Phase (24VAC)	- Purple
Hook-up wire	- Purple
Neutral (24VAC)	- Purple
Plus (24VDC)	- Dark Blue
Hook-up wire	- Dark Blue
Minus / Ground (24VDC)	- White/Blue stripe
Phase (42VAC)	- Brown
Hook-up wire	- Brown
Neutral (42VAC)	- Brown

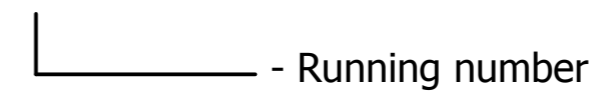
SYMBOL CODE

11 F 11



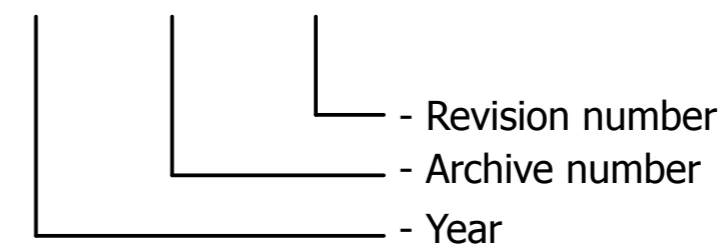
CORE CODE

11 11

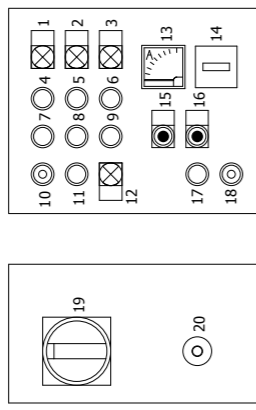
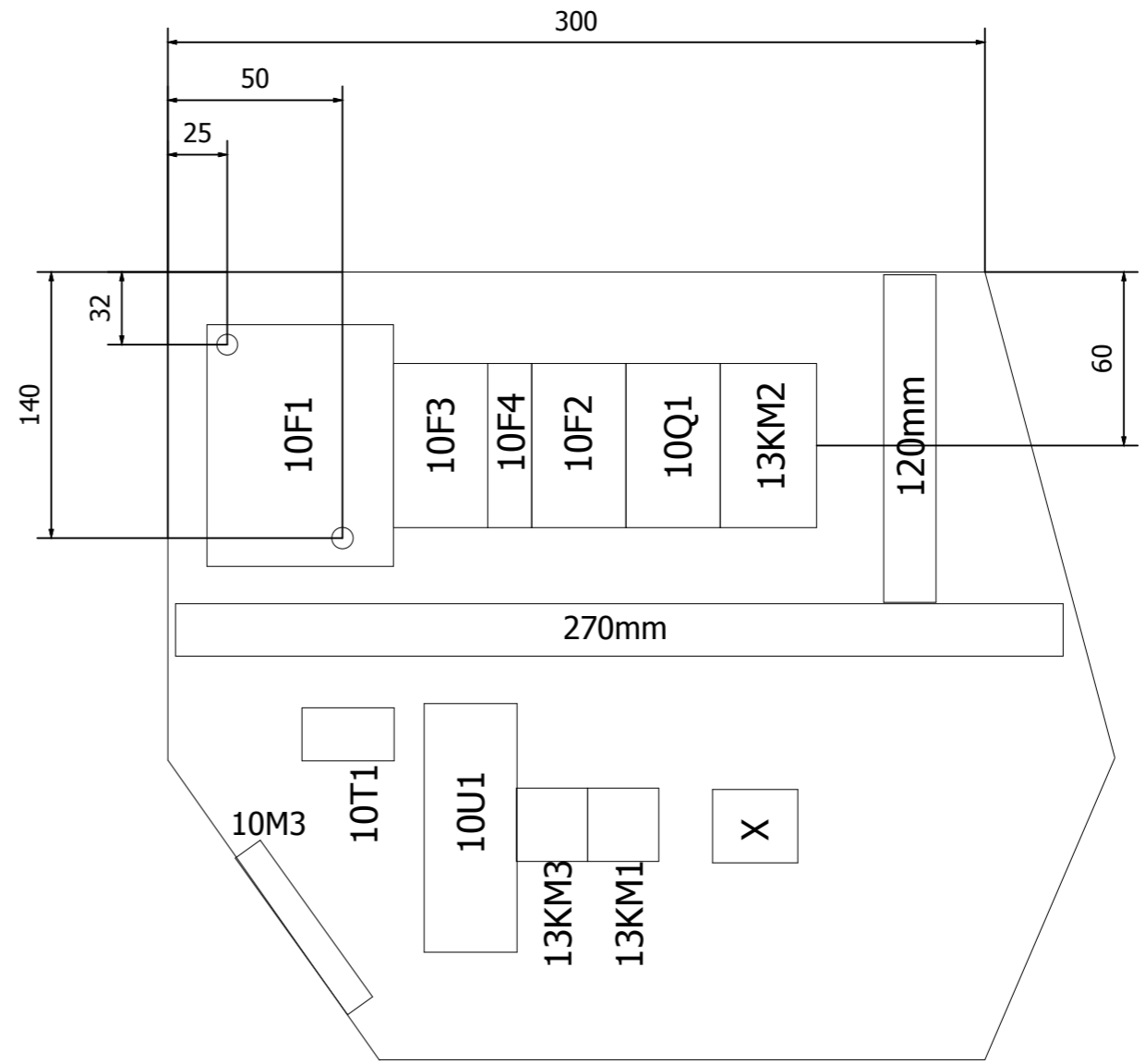
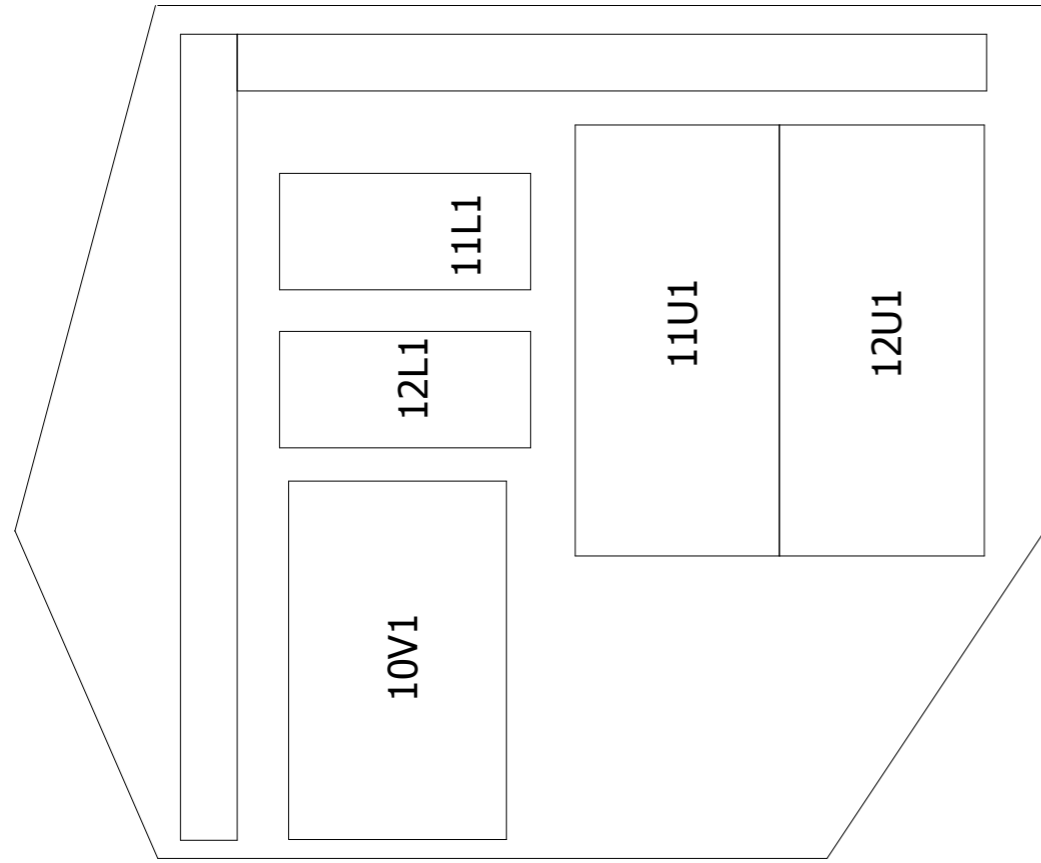


DRAWING NUMBER

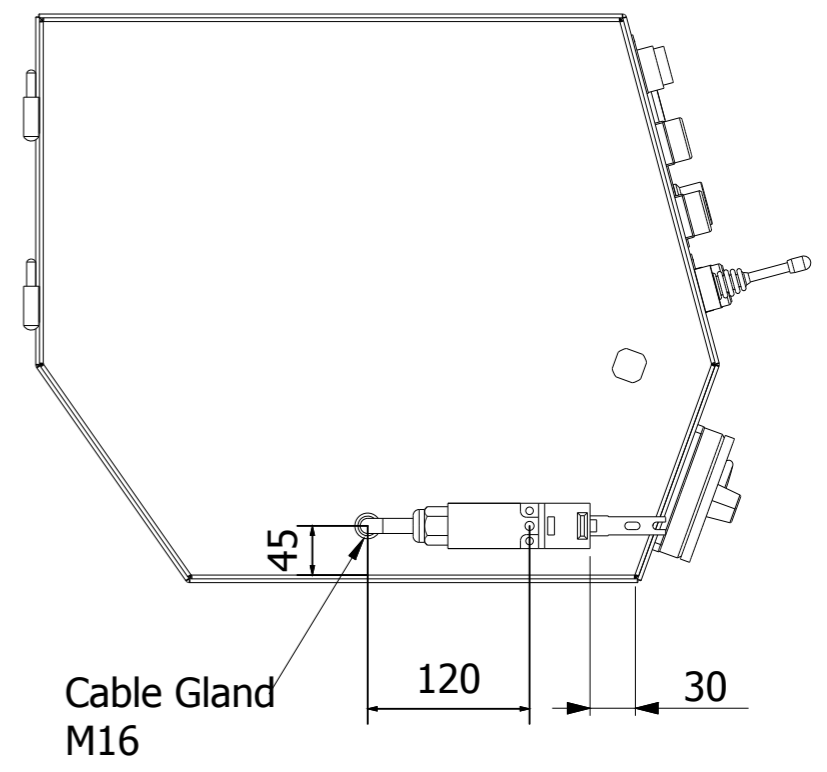
PJ##.####.##

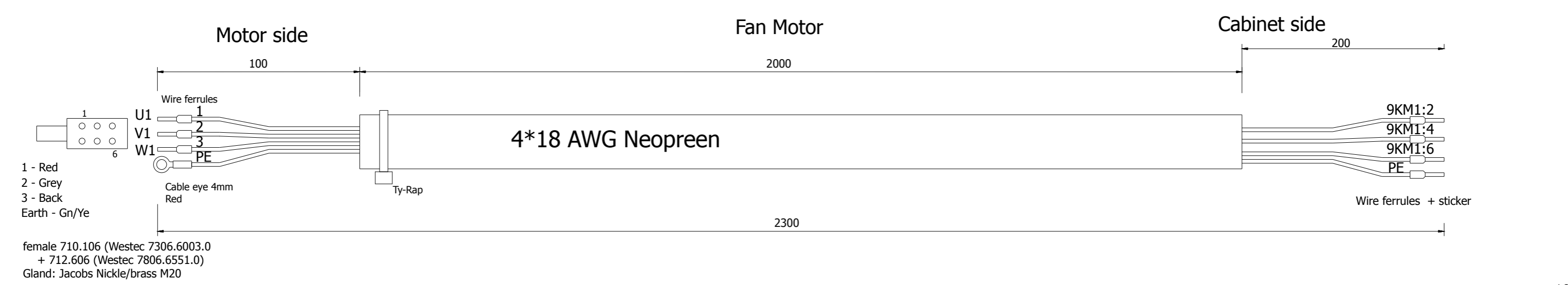
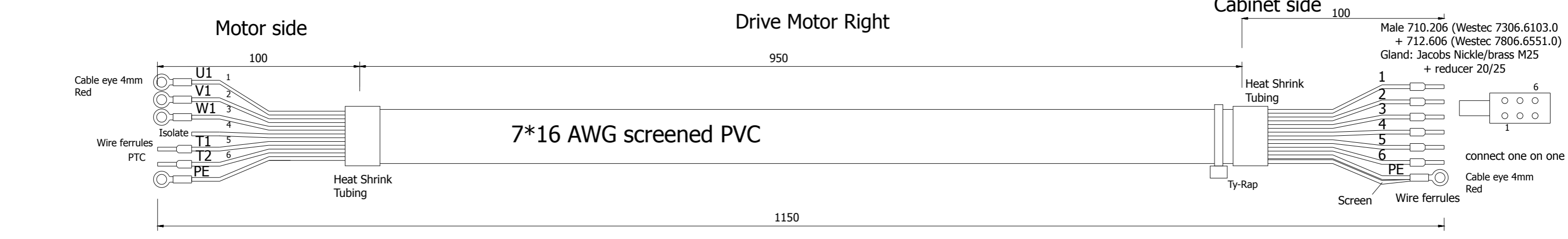
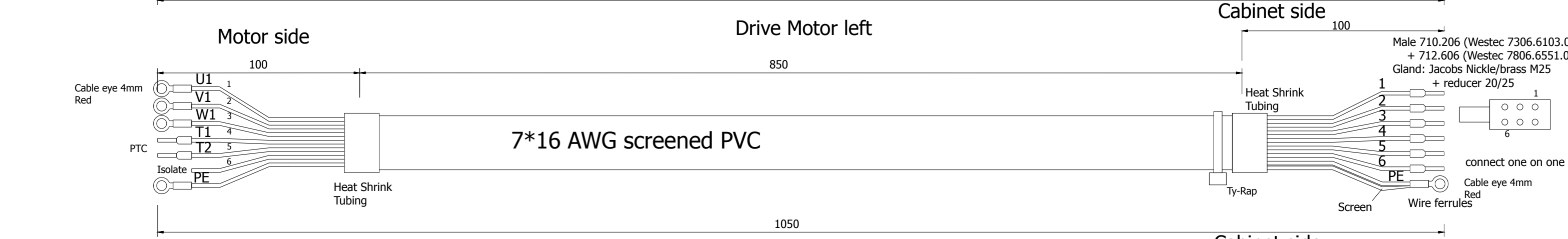
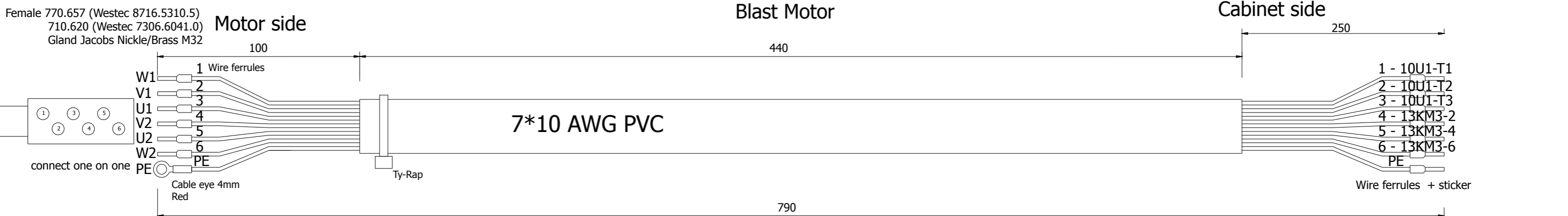


	auxiliary contact	hulpcontact		signal light	signaallamp		Safety fuse	smeltveiligheid
	Power contact	vermogenscontact		horn	hoorn		Fused switch, three-pole	schakelbare scheid
	NO contact, opens with time delay	maakcontact, vertraagd open		apm.meter	amperemeter		Fused disconnect, three-pole	scheid "klapbak"
	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
	Pushbutton rebound	drukknop terugverend		Contactor/relay coil, with pick-up delay	Spoel met opkomvertraging		Circuit breaker, three-pole	installatieautomaat 3-polig
	Pushbutton 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						

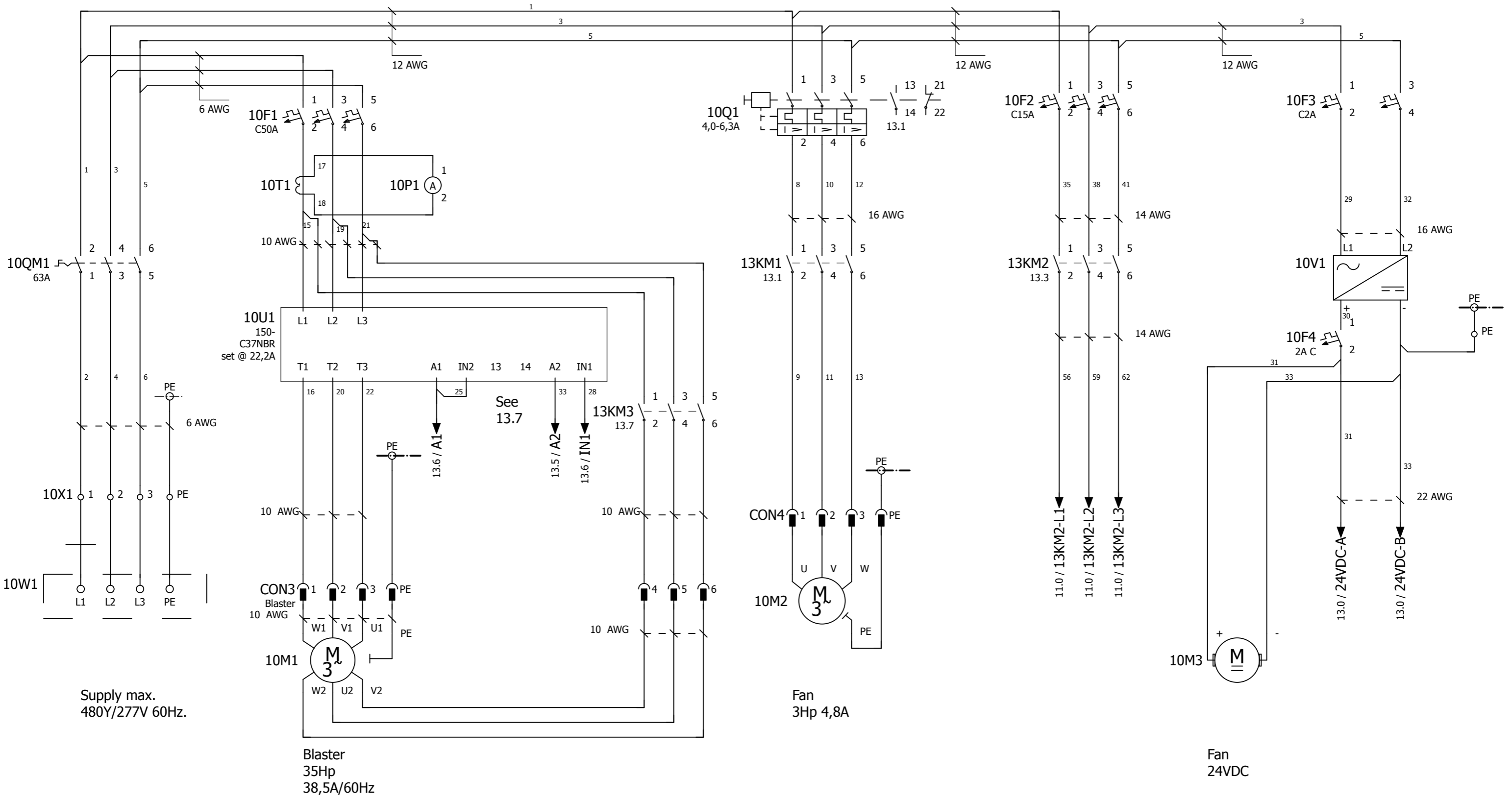


- 1 13H3 Drive
- 2 13H2 Fan
- 3 13H4 Blaster
- 4 13S6 Start drive
- 5 13S2 Start fan
- 6 13S5 Start blaster
- 7 13S7 Stop drive
- 8 13S3 Stop fan
- 9 13S4 Stop blaster
- 10 11S2 Left Forward - Reverse
- 11 11S1 Left Stop
- 12 13H1 Control voltage
- 13 10P1 Ammeter
- 14 13P1 Operatingtime counter
- 15 12R1 Speed
- 16 11R1 Tracking
- 17 12S1 Right Stop
- 18 12S2 Right Forward - Reverse
- 19 10QM1 Main switch
- 20 13S1 Emergency stop





Date	31-1-2013	Project name:	500E SB UL 35HP	Page description:	Cable set	Customer:	Blastrac	=
Ed.	HvdB		E00286/35HP			Drawing number:	PJ10-1058.15	+
Appr								Page
Last print	5-2-2015							5a

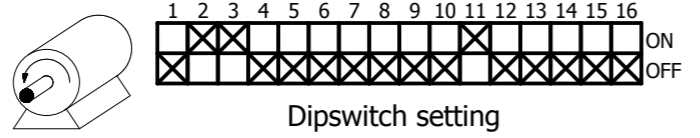


Supply max.
480Y/277V 60Hz.

Blaster
35Hp
38,5A/60Hz

Fan
3Hp 4,8A

Fan
24VDC

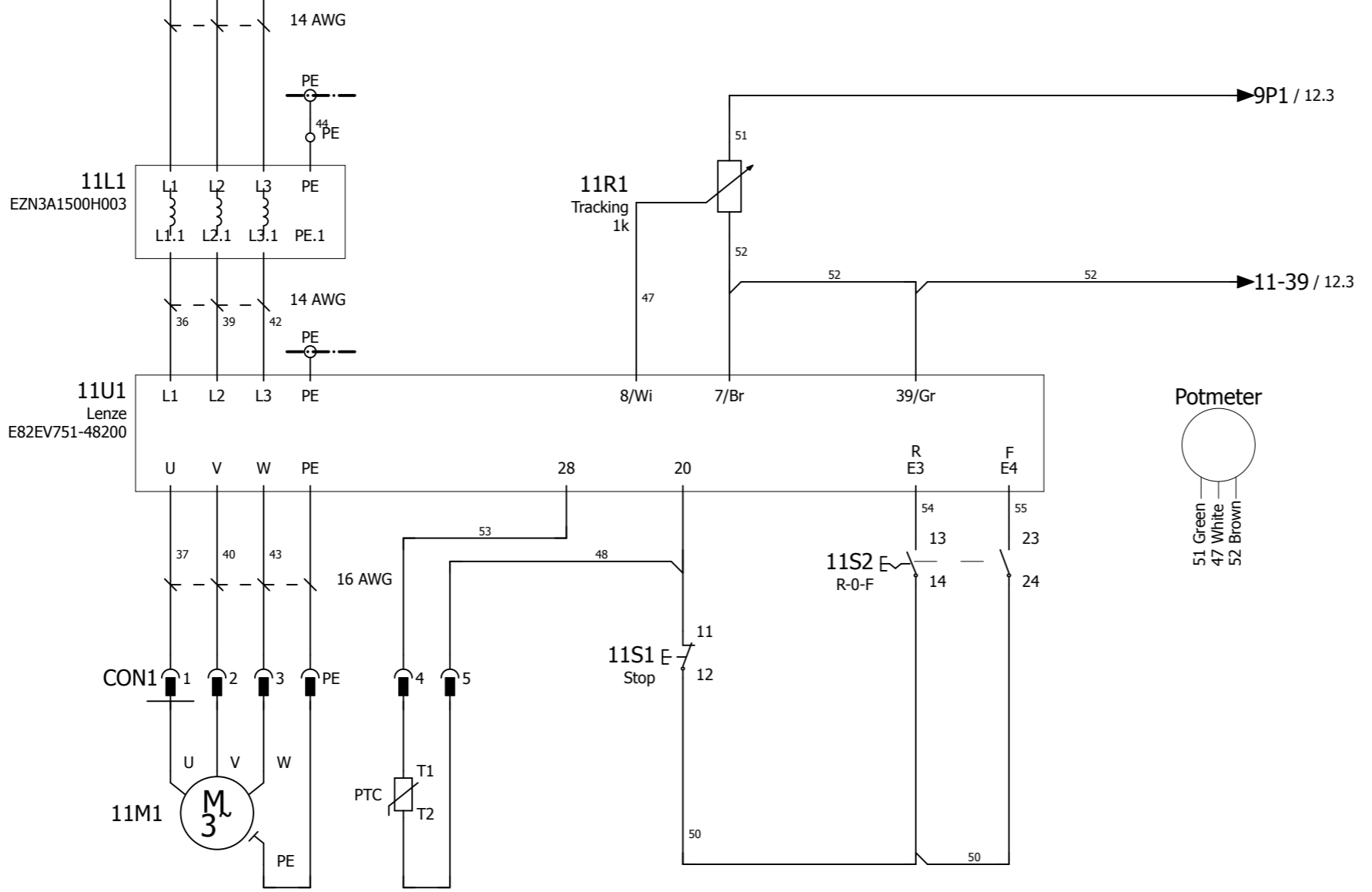
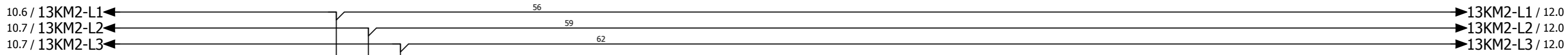


C.C.W. (seen from axle)
C.W. (seen from fan)

5a

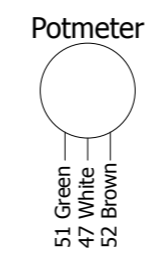
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			Ed.	HVDB			E00286/35HP		BLASTRAC		Drawing number:		PJ10-1058.15	
Modification			Date	5-2-2015	Name		Last print		Main Current		=		Page	
													10	



Left Motor
0.5Hp/1,06A

PTC



Date	4-11-2013
Ed.	HvdB
Appr	
Last print	5-2-2015
Modification	Date
	Name

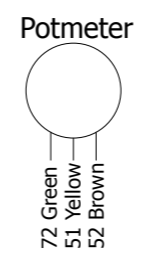
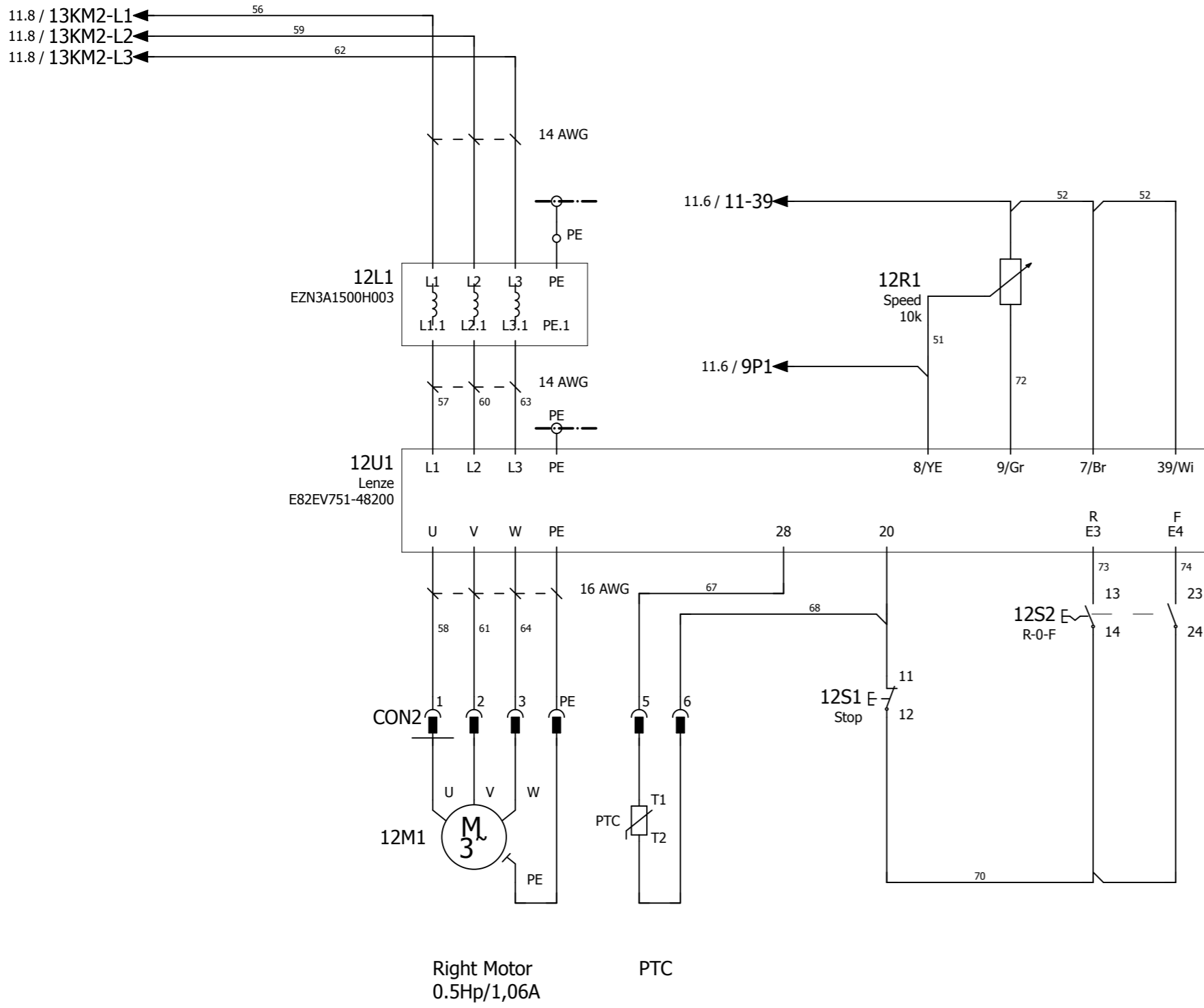
Project name:	500E SB UL 35HP E00286/35HP
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Page description:	Main Current
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Customer:	Blastrac
Drawing number:	PJ10-1058.15

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11.8 / 13KM2-L1
 11.8 / 13KM2-L2
 11.8 / 13KM2-L3

11.6 / 11-39

11.6 / 9P1

Right Motor
 0.5Hp/1,06A

PTC

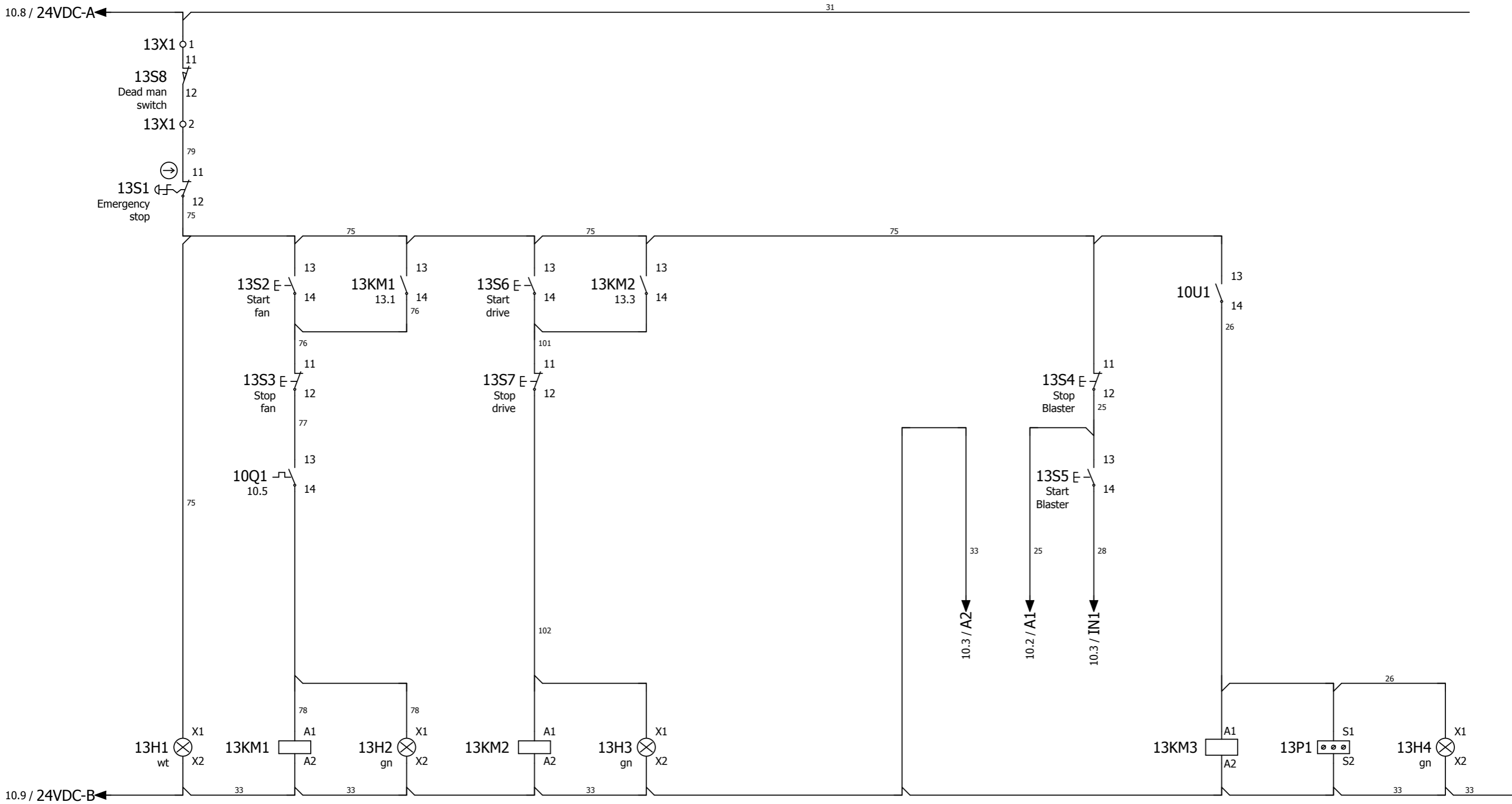
Date	2-7-2012
Ed.	HvdB
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Last print	5-2-2015

Project name:	500E SB UL 35HP E00286/35HP
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Page description:	Main Current
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Customer:	Blastrac	=
Drawing number:	PJ10-1058.15	+
		Page 12



Control Voltage Present

Fan

Fan

Drive

Drive

Operating-time Counter

Blaster

1 -> 2 10.5
 3 -> 4 10.5
 5 -> 6 10.5
 13 -> 14 13.2

1 -> 2 10.6
 3 -> 4 10.7
 5 -> 6 10.7
 13 -> 14 13.4

1 -> 2 10.4
 3 -> 4 10.4
 5 -> 6 10.4

			Date	18-9-2014	Project name:	500E SB UL 35HP E00286/35HP		Page description:	Control-Voltage	Customer:	Blastrac	=
			Ed.	HVDB							+	
			Appr.							Drawing number:	PJ10-1058.15	Page
Modification	Date	Name	Last print	5-2-2015								

Terminal diagram

function text	Strip 10X1 Terminal strip X0										Page / column
	Cable name	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	cable type	
Supply 400V 50Hz.	10W2		10W1	L1	1	.	10QM1	1			10.0
			10W1	L2	2	.	10QM1	3			10.0
			10W1	L3	3	.	10QM1	5			10.1
			10W1	PE	PE	.	PE				10.1

Terminal diagram

function text	Cable name	cable type	Strip 13X1					Cable name	cable type	Page / column
			Target designation	Connection point	terminal	jumper	Target designation			
			13S8	11	1	.	10F4	2	13.1	
			13S8	12	2	.	13S1	11	13.1	

Date	2-7-2012
Ed.	HvdB
Appr	
Last print	5-2-2015
Modification	Date
Name	

Project name: **500E SB UL 35HP**
E00286/35HP



Page description: **Terminal Diagram**

Customer: **Blastrac**

Drawing number: **PJ10-1058.15**

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+	
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Parts list

device tag	Quantity	designation	Type number	Brand	Blastrac number
CAB	1	Enclosure 350/500 single box RAL 7035	350 SB ENCLOSURE		E04566
CAB	6	Label for ZBY-5102 Brady 150pcs. p/r	PTLEP-04-7593-WT	Brady	
CAB	2	40*10 let zw/pl wit FORWARD	RES.FORWARD WIT	Generic	
CAB	2	40*10 let zw/pl wit REVERSE	RES.REVERSE WIT	Generic	
CAB	2	Montagesnoer ge/gr. AWG10 6mm2 UL-CSA	AWG 10 GE/GR		E07973
CAB	4	Montagesnoer zwart AWG10 6mm2 UL-CSA	AWG 10 ZW		E07891
CAB	2	Montagesnoer ge/gr. AWG8 10mm2 UL-CSA	AWG 8 GG		E07866
CAB	2	Montagesnoer zwart AWG8 10mm2 UL-CSA	AWG 8 ZW		E07867
CAB	6	Montagesnoer zwart AWG12 4mm2 UL-CSA	AWG 12 ZW		
CAB	6	Montagesnoer zwart AWG14 2.5mm2 UL-CSA	AWG 14 ZWART	LAPP	E07843
CAB	10	Montagesnoer zwart AWG16 1.5mm2 UL-CSA	AWG 16 ZWART	LAPP	E07947
CAB	10	Internal wire darkblue AWG22 0.5mm2 UL-CSA	AWG 22 D BL.	LAPP	E08012
CAB	1	PVC 3*0.5 +afscherm.wi-br-gr	STUURSTROOMKAB3*0.5	Eszet Electro Harderwijk B.V.	E07971
CAB	1	Mont.goot BxH 25x80 MM vpp=56	T1-E 25X80 MONT.GOOT	Generic	E07834
CAB	1	M.rail galvanized,7,5x35MM 2M	TS35 MOUNT.RAIL GROOVE	Generic	E07835
CAB	300	Label for ader 12*12 Brady 7000pcs. p/r	BPT-305-427	GSH.bv	E07893
CAB	100	Adereindhuls 1mm2 rood geïsoleerd	G 490	Calpe	E07849
CAB	50	Adereindhuls 2x1mm2 rood geïsoleerd	G 490-TWIN MONT.A.H.	Calpe	E07850
CAB	30	Adereindhuls 1,5mm2 zwart geïsoleerd	G 491 MONT.A.H.	Calpe	E07851
CAB	30	Adereindhuls 2x1,5mm2 zwart geïsoleerd	G 491-TWIN MONT.A.H.	Calpe	
CAB	30	Aderhuls 6MM2 groen geïsol	G 494 MONT.A.H.	Calpe	E07865
CAB	2	M20*1.5 (PG11/13.5/16) mess.	WARTEL M20*1.5	Jacob	E00406
CAB	3	M25*1.5 IP68 METRISCH	WARTEL M25*1.5	Jacob	E00407
CAB	2	M32*1.5 (PG 21/29)	WARTEL M32*1.5	Jacob	E00408
CAB	1	M40*1.5 (PG 29/36)	WARTEL M40*1.5	Jacob	E00409
CAB	1	wartelmoer M20*1.5 messing	WARTELMOER M20*1.5	Jacob	E00406_1
CAB	1	wartelmoer M25*1.5 messing	WARTELMOER M25*1.5	Jacob	E00407_1
CAB	1	wartelmoer M32*1.5 messing	WARTELMOER M32*1.5	Jacob	E00408_1
CAB	1	wartelmoer M40*1.5 messing	WARTELMOER M40*1.5	Jacob	E00409_1
CAB	3	pvc afgesch. 7*1.5 mm 150CY offlex/UL/CSA	OLFLEX 7*1.5 MM	LAPP	
CAB	3	Rubberkabel 4* 1mm	H05RR-F 4 *1MM		
CAB	1	Eszetflex pvc 7*6 mm UL/CSA	Y-UL/CSA 7*6 MM		
CAB	2	M16*1.5 (PG9/11) IP68	WARTEL M16*1.5	Jacob	E00405
CAB	2	wartelmoer M16*1.5 messing	WARTELMOER M16*1.5	Jacob	E00405_1
CAB	1	UL neopreen 2*AWG18 (1.0mm2) 600v	AWG 18*2	Eszet Electro Harderwijk B.V.	E07938
CAB	2	Enlarger M20 ext. M25*1.5 int. brass, nickel plated	VERLOOPRING M20M25	Jacob	E08020
CAB	1	Internal wire white/blue AWG22 0.5mm2 UL-CSA	AWG 22 WH/BL.	LAPP	E08016
CON1	1	Busbinnenwerk 6P+A 7306.6003.0 Westec	710.106	Westec	RIG-3630-CDF /3625?
CON1	1	Penbinnenwerk serie B6-P+A 7306.6103.0 Westec	710.206	Westec	RIG-3628-CDF
CON1	1	Stekkerhuis wartelzijkant 6+a 7806.6551.0 Westec	712.606		RIG-3627-CDF
CON1	1	Aanbouw wandcont.huis 6P 7806.6401.0 Westec	714.306		E01638
CON2	2	Busbinnenwerk 6P+A 7306.6003.0 Westec	710.106	Westec	RIG-3630-CDF /3625?
CON2	2	Penbinnenwerk serie B6-P+A 7306.6103.0 Westec	710.206	Westec	RIG-3628-CDF
CON2	2	Stekkerhuis wartelzijkant 6+a 7806.6551.0 Westec	712.606		RIG-3627-CDF
CON2	2	Aanbouw wandcont.huis 6P 7806.6401.0 Westec	714.306		E01638
CON3	1	BUSbinnenwerk serie BA 6p+A 32A	710.620		E01598
CON3	1	Penbinnenwerk serie BA 6p+A 32A 7306.6141.0 Westec	710.621		E01599
CON3	1	Aanbouw wand c.huis 6P+A spec. 35A	770.655		E01601
CON3	1	Stek.huiswartelzij 6P+A spec.	770.657		E01600
CON4	1	Busbinnenwerk 6P+A 7306.6003.0 Westec	710.106	Westec	RIG-3630-CDF /3625?
CON4	1	Stekkerhuis wartelzijkant 6+a 7806.6551.0 Westec	712.606		RIG-3627-CDF
10F1	1	Molded Case Circuit Breaker 3P C50A UL489	AB 140G-G2C3-C50	Allen Bradley	E08146
10F1	1	DIN Rail Adapter fo MCCB 3P 140U-G2C3	AB 140G-G-DRA4	Allen Bradley	E08127
10F2	1	Circuit breaker AB 3P 15A C-kar	C60N-1489-M3C150	Allen Bradley	E08017
10F3	1	Circuit breaker AB 3P 2A C-kar UL 489 480/277V	C60N-1489-M3C020	Allen Bradley	E07954
10F4	1	Circuit breaker AB 1P 2A C-kar	C60N-1492-SPM1C020	Allen Bradley	E08018

			Date	5-2-2015	Project name:	500E SB UL 35HP E00286/35HP		Page description:	Partlist	Customer:		Blastrac		=
			Ed.	HVDB						Drawing number:		PJ10-1058.15		+
Modification	Date	Name	Last print	5-2-2015										Page

Parts list

device tag	Quantity	designation	Type number	Brand	Blastrac number
13H1	1	LED lens wit	ZB5-AV013	Schneider Electric	333-3454
13H1	1	Lamphouder 24VAC/DC incl. LED wit	ZB5-AVB1	Schneider Electric	333-3226
13H1	1	Res.houder tbv ZBY5102 verzonk	ZBZ-35	Schneider Electric	E05080
13H2	1	LED lens groen	ZB5-AV033	Schneider Electric	E00359/ 333-3496
13H2	1	Lamphouder 24VAC/DC incl. LED groen	ZB5-AVB3	Schneider Electric	333-3496
13H2	1	Res.houder tbv ZBY5102 verzonk	ZBZ-35	Schneider Electric	E05080
13H3	1	LED lens groen	ZB5-AV033	Schneider Electric	E00359/ 333-3496
13H3	1	Lamphouder 24VAC/DC incl. LED groen	ZB5-AVB3	Schneider Electric	333-3496
13H3	1	Res.houder tbv ZBY5102 verzonk	ZBZ-35	Schneider Electric	E05080
13H4	1	LED lens groen	ZB5-AV033	Schneider Electric	E00359/ 333-3496
13H4	1	Lamphouder 24VAC/DC incl. LED groen	ZB5-AVB3	Schneider Electric	333-3496
13H4	1	Res.houder tbv ZBY5102 verzonk	ZBZ-35	Schneider Electric	E05080
13KM1	1	Contactoor 4.0kW 400vac 1M/1V coil 24Vdc	LC1-D09-BD	Schneider Electric	333-3210
13KM2	1	Contactoor 4.0kW 400vac 1M/1V coil 24Vdc	LC1-D09-BD	Schneider Electric	333-3210
13KM3	1	Magn.schak. 18,5kW 3xNO sp.sp. 24VDC hulpcont. 1xNO/1xNC	LC1-D38-BD	Schneider Electric	
11L1	1	Lenze EZN3A1500H003 tbv 9322	NETZFILTER 3A		E00492
12L1	1	Lenze EZN3A1500H003 tbv 9322	NETZFILTER 3A		E00492
10M3	1	Ventilator 80*80*20mm. 24VDC	FAN 80*80*20MM 24 VDC/ NMB	PABST	E06930
10M3	2	UITL.FILT.MONT.UITSP. 80*80MM	221-336 KAST KL.BEH.	PABST	E00283
10M3	1	Finger Guard 80mm.	250-1612 KAST KL.BEH	PABST	E00283
10P1	1	Amperemeter 0..40/80/5A 48vk	IQ/EQ48 40/80/5A	Celsa	009316
13P1	1	urenteller 48*48 12-48 Vdc	BZG 48/2E 24VDC	Müller	E05189
10Q1	1	Mot.Th/Magn.bev. 4.0..6.3A	GV2-ME10	Schneider Electric	E01557 / MP04072
10Q1	1	Hulpcont. front voor GV2-ME 1xNO of NC	GV2-AE1	Schneider Electric	E07807
10QM1	1	Hoofdschak. 63A, 3P niet vergrendelbaar	P3-63/E	Moeller	E07967
11R1	1	Potm.1 K OHM, 4W-500V	POTMETER 1K OHM	Generic	500-3190-E
11R1	1	Schroef aansluiting potmeter	POTMETER PRINT KLEM	Wieland	E05088
11R1	1	Potmeterknop chroom/zwart as @6	ZB4-BD912	Schneider Electric	E00866/2
12R1	1	Potm.10 K OHM, 4W-500V	POTMETER 10 K OHM	Generic	454795
12R1	1	Schroef aansluiting potmeter	POTMETER PRINT KLEM	Wieland	E05088
12R1	1	Potmeterknop chroom/zwart as @6	ZB4-BD912	Schneider Electric	E00866/2
11S1	1	Drukknop verz. zonder drukplaat ZBA	ZB5-AA0	Schneider Electric	E01318
11S1	1	Element 1xNC + kopp.	ZB5-AZ102	Schneider Electric	E00357
11S1	1	Drukkn.pl tbv ZB5;rood stop	ZBA-434	Schneider Electric	E01353
11S1	1	Silicoon kapje tbv ZB-serie	ZBP-0	Schneider Electric	E05079
11S2	1	Zwenkschakelaar 2* arreteerd	XD4-PA12		333-3415
12S1	1	Drukknop verz. zonder drukplaat ZBA	ZB5-AA0	Schneider Electric	E01318
12S1	1	Element 1xNC + kopp.	ZB5-AZ102	Schneider Electric	E00357
12S1	1	Drukkn.pl tbv ZB5;rood stop	ZBA-434	Schneider Electric	E01353
12S1	1	Silicoon kapje tbv ZB-serie	ZBP-0	Schneider Electric	E05079
12S2	1	Zwenkschakelaar 2* arreteerd	XD4-PA12		333-3415
13S1	1	Red Ø40 Emergency switching off pushbutton head Ø22 latching	ZB4-BS844	Schneider Electric	E08437
13S1	1	Element 1xNC + kopp.	ZB4-BZ102	Schneider Electric	B21153
13S2	1	Drukknop verz. zonder drukplaat ZBA	ZB5-AA0	Schneider Electric	E01318
13S2	1	Element 1xNO + kopp.	ZB5-AZ101	Schneider Electric	333-3224
13S2	1	Drukkn.pl tbv ZB5;groen start	ZBA-333	Schneider Electric	E05078
13S2	1	Silicoon kapje tbv ZB-serie	ZBP-0	Schneider Electric	E05079
13S3	1	Drukknop verz. zonder drukplaat ZBA	ZB5-AA0	Schneider Electric	E01318
13S3	1	Element 1xNC + kopp.	ZB5-AZ102	Schneider Electric	E00357
13S3	1	Drukkn.pl tbv ZB5;rood stop	ZBA-434	Schneider Electric	E01353
13S3	1	Silicoon kapje tbv ZB-serie	ZBP-0	Schneider Electric	E05079
13S4	1	Drukknop verz. zonder drukplaat ZBA	ZB5-AA0	Schneider Electric	E01318
13S4	1	Element 1xNC + kopp.	ZB5-AZ102	Schneider Electric	E00357
13S4	1	Drukkn.pl tbv ZB5;rood stop	ZBA-434	Schneider Electric	E01353
13S4	1	Silicoon kapje tbv ZB-serie	ZBP-0	Schneider Electric	E05079
13S5	1	Drukknop verz. zonder drukplaat ZBA	ZB5-AA0	Schneider Electric	E01318

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Parts list

device tag	Quantity	designation	Type number	Brand	Blastrac number
13S5	1	Element 1xNO + kopp.	ZB5-AZ101	Schneider Electric	333-3224
13S5	1	Drukkn.pl tbv ZB5;groen start	ZBA-333	Schneider Electric	E05078
13S5	1	Silicoon kapje tbv ZB-serie	ZBP-0	Schneider Electric	E05079
13S6	1	Drukknop verz. zonder drukplaat ZBA	ZB5-AA0	Schneider Electric	E01318
13S6	1	Element 1xNO + kopp.	ZB5-AZ101	Schneider Electric	333-3224
13S6	1	Drukkn.pl tbv ZB5;groen start	ZBA-333	Schneider Electric	E05078
13S6	1	Silicoon kapje tbv ZB-serie	ZBP-0	Schneider Electric	E05079
13S7	1	Drukknop verz. zonder drukplaat ZBA	ZB5-AA0	Schneider Electric	E01318
13S7	1	Element 1xNC + kopp.	ZB5-AZ102	Schneider Electric	E00357
13S7	1	Drukkn.pl tbv ZB5;rood stop	ZBA-434	Schneider Electric	E01353
13S7	1	Silicoon kapje tbv ZB-serie	ZBP-0	Schneider Electric	E05079
13S8	1	Eindschak. veiligheid 2V	XCS-PA792	Schneider Electric	DE 591
13S8	1	Tongsleutel voor XCS-PA591	XCS-Z11	Schneider Electric	MP07189
10T1	1	Tr.str.prim.40A,sec.5A	IBA 40/5A	Celsa	E01566
10U1	1	Softst.3-f 37A 200-480V/24 AC/DC (18.5kW)	150-C37NBR	Allen Bradley	E01565
11U1	1	E82EV551K4C200 vector/no filte	FREQ.REG 0.55 KW		E01541
11U1	1	E82ZBC bed. display	FREQ.REG BED.DISPLAY	Lenze	E00415
11U1	1	E82ZAFS standaard I/O inbouw	FREQ.REG I/O	Lenze	E00482
12U1	1	E82EV551K4C200 vector/no filte	FREQ.REG 0.55 KW		E01541
12U1	1	E82ZAFS standaard I/O inbouw	FREQ.REG I/O	Lenze	E00482
10V1	1	Powersupply 360-520Vac->24Vdc 5A	MURR EVOLUTION 5-3X360-520/24	Murr Elektronik	
10X1	3	Conn. railkl. 16MM2 grijs	VU5-16 CONN.R.KLEM	Wieland	E05190
10X1	1	Aardkl. 4MM2 ge/gr WK4SL/u	VUPE 4-4 CONN.AARDKL	Wieland	E01197
10X1	1	Conn.aardkl. 6MM2 GE/GN wk6sl/u	VUPE 4-6 CONN.AARDKL	Wieland	E01329
10X1	1	Conn.aardkl.,10MM2, geel/groen	VUPE WKN 10SL/U	Wieland	E05192
10X1	1	Conn.aardkl.,16MM2, ge/gr	VUPE-5-16 CONN.A.KL.	Wieland	E05191
13X1	1	2 x 4 mm klem etage WK 4E/U	VU4-4 ETAGE	Wieland	500-3552-eda
13X1	1	einplaat klem etage AP 4E	VU4-4 ETAGE EINDPLAAT	Wieland	