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Project description 1-10DS DUAL VOLTAGE ULCSA

Drawing number PJ11.01064.03
Blastrac number E05019/ULCSA

Power supply 480Y/277V or 240V
Input lead
Control Voltage 230Vac/24Vdc

Year of Manufacturing 2011

Remarks Certified Final

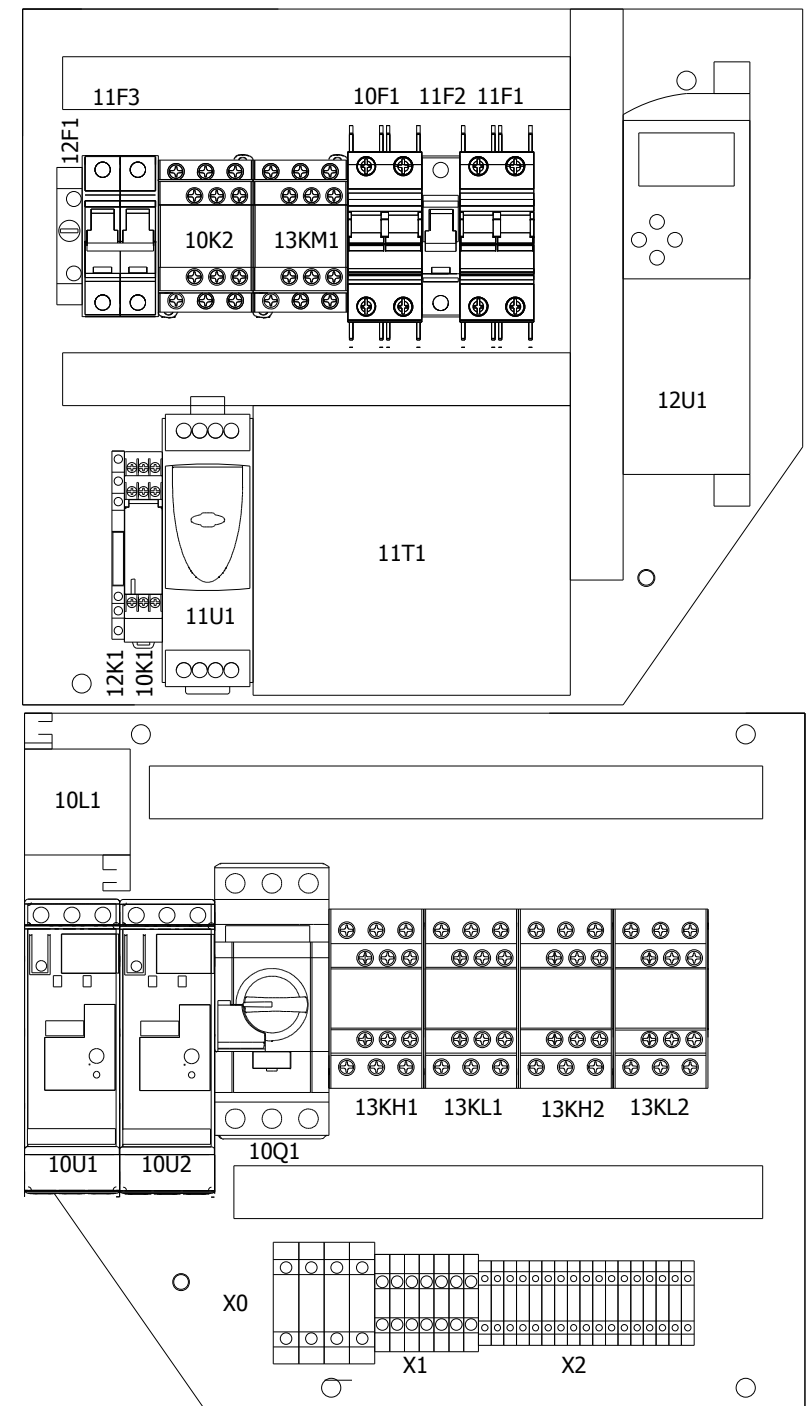
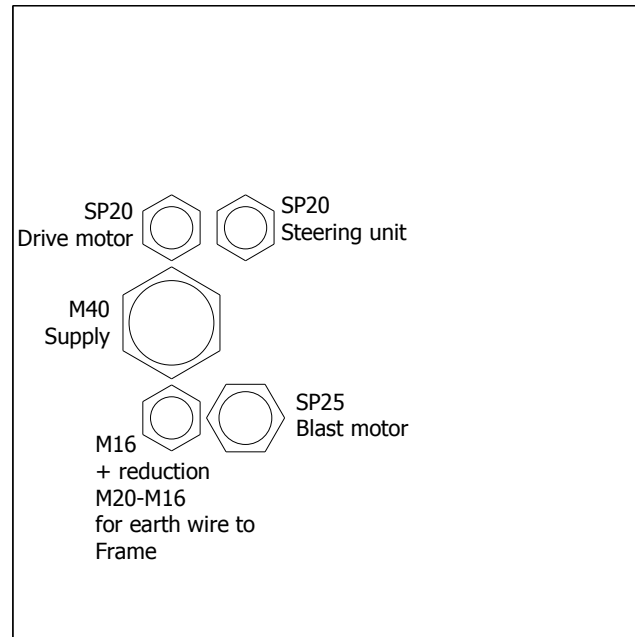
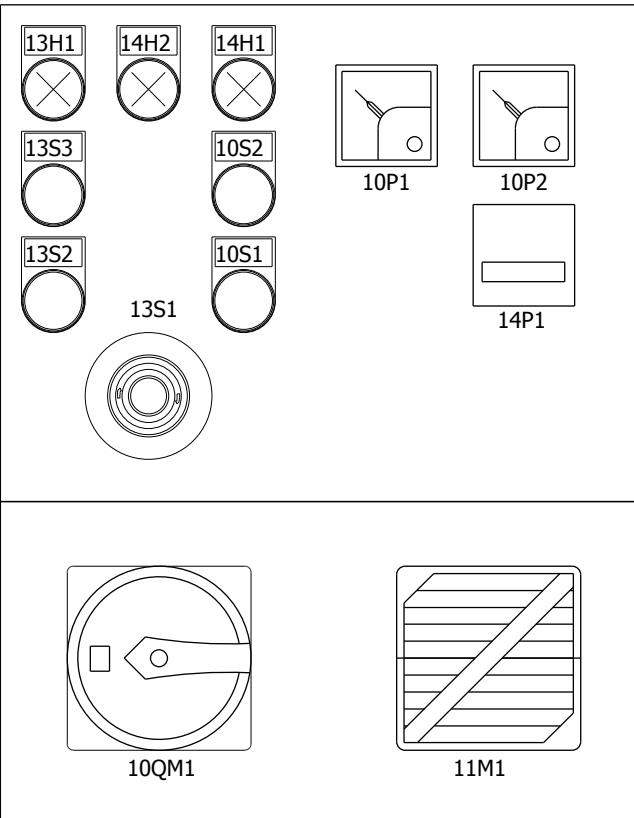
Created on 24-2-2011 by hvandenbrink
Edit date 28-6-2011 by HvdB

Number of pages 18

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CAB



AWG

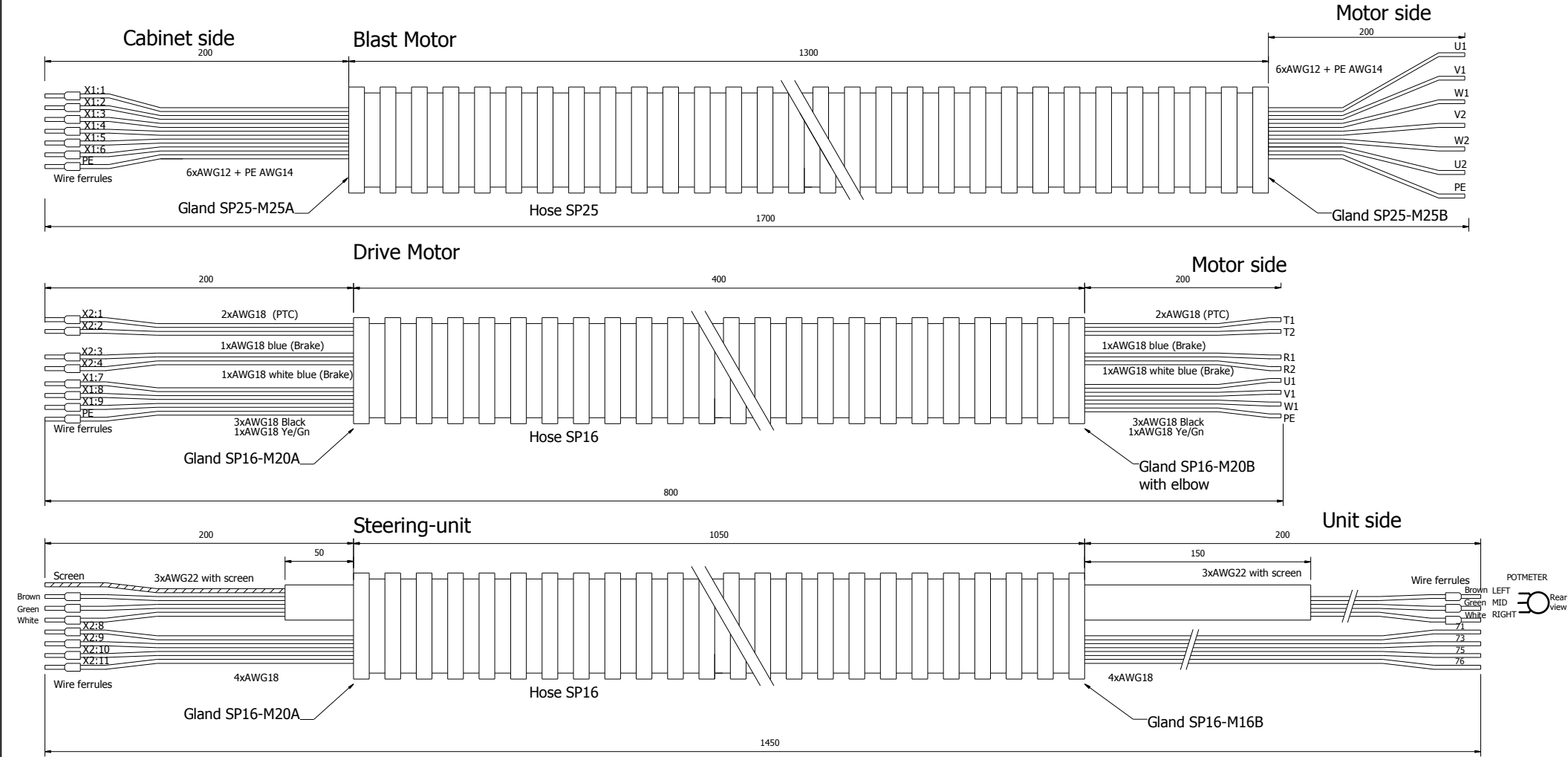
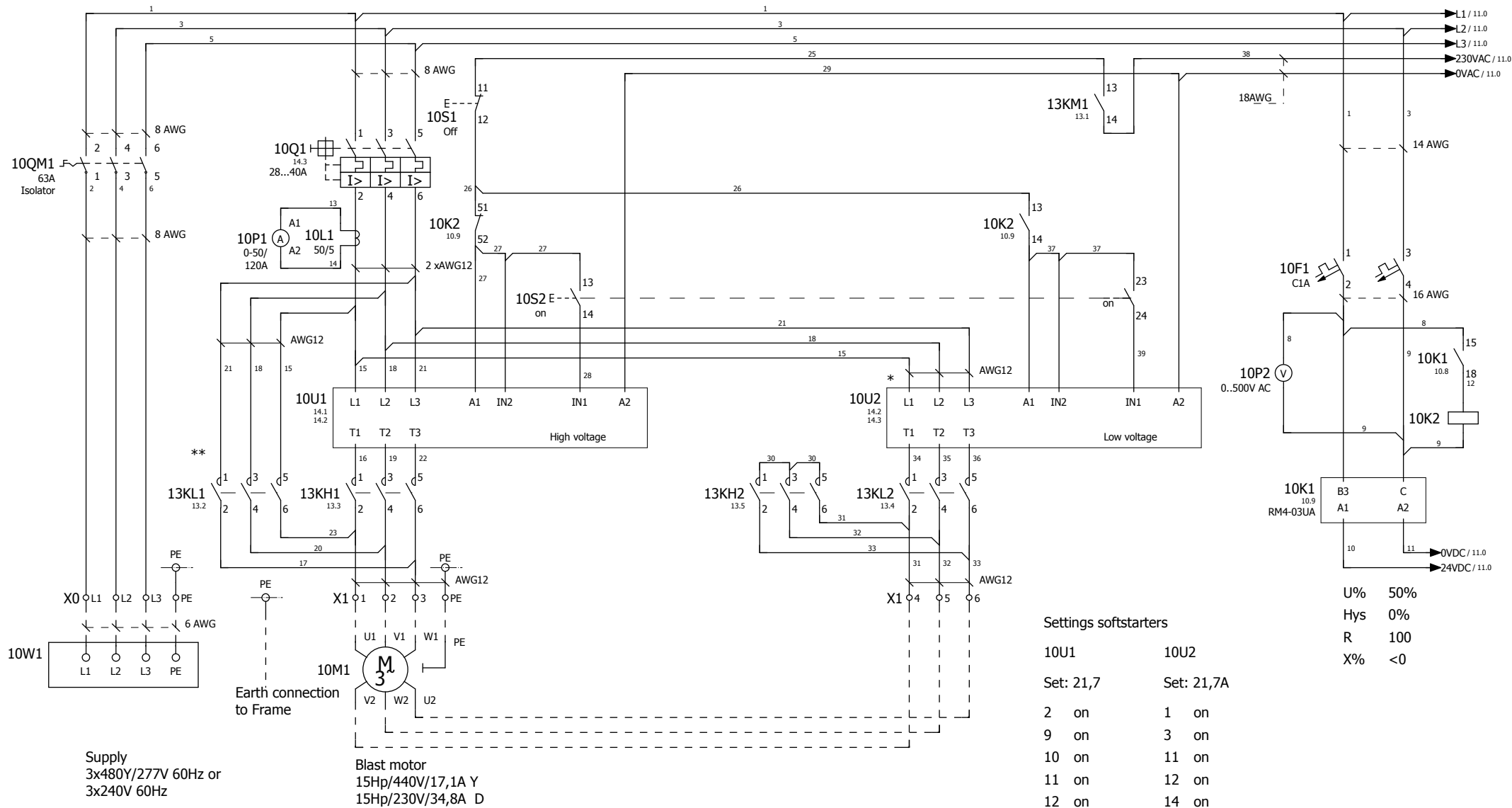
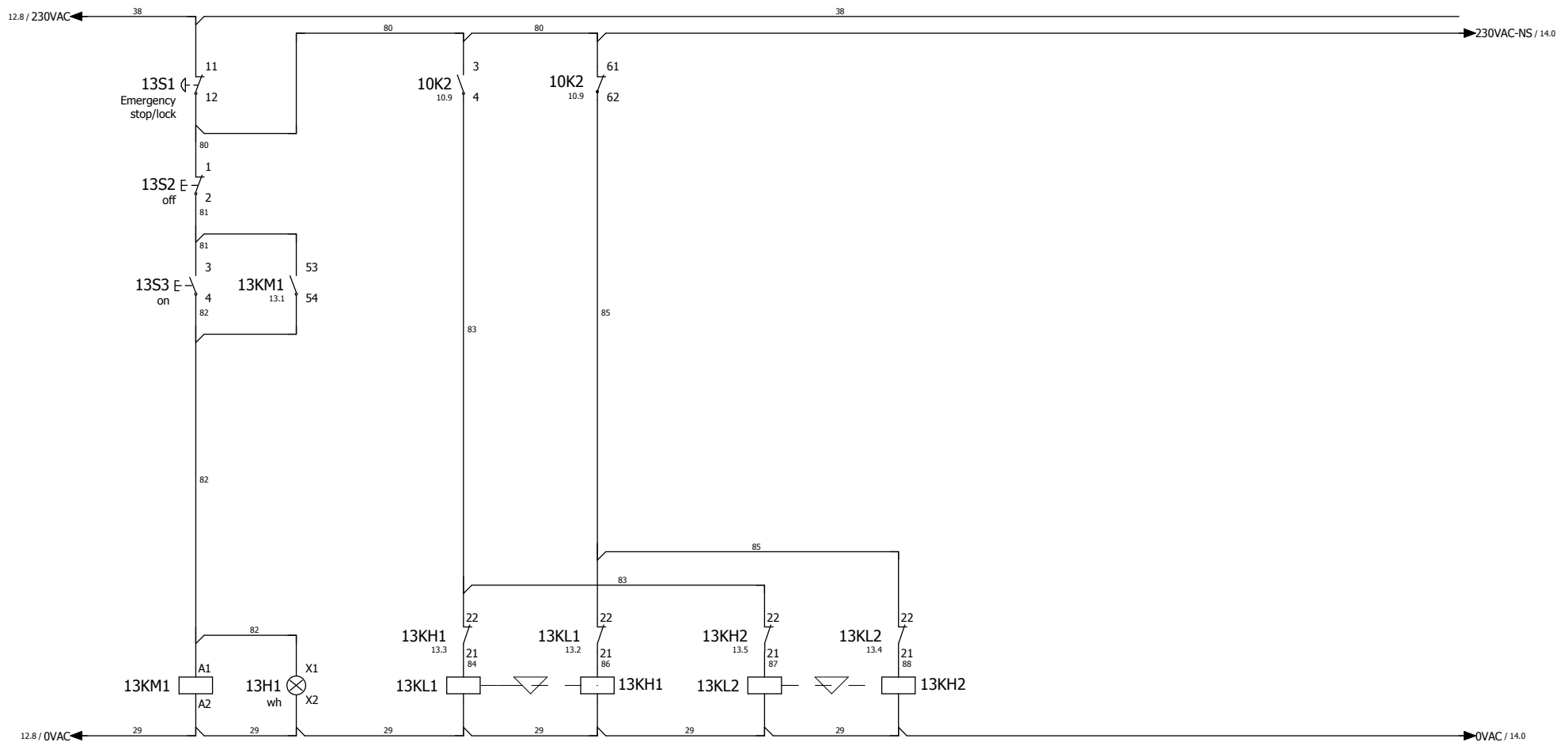


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Control
voltage
on

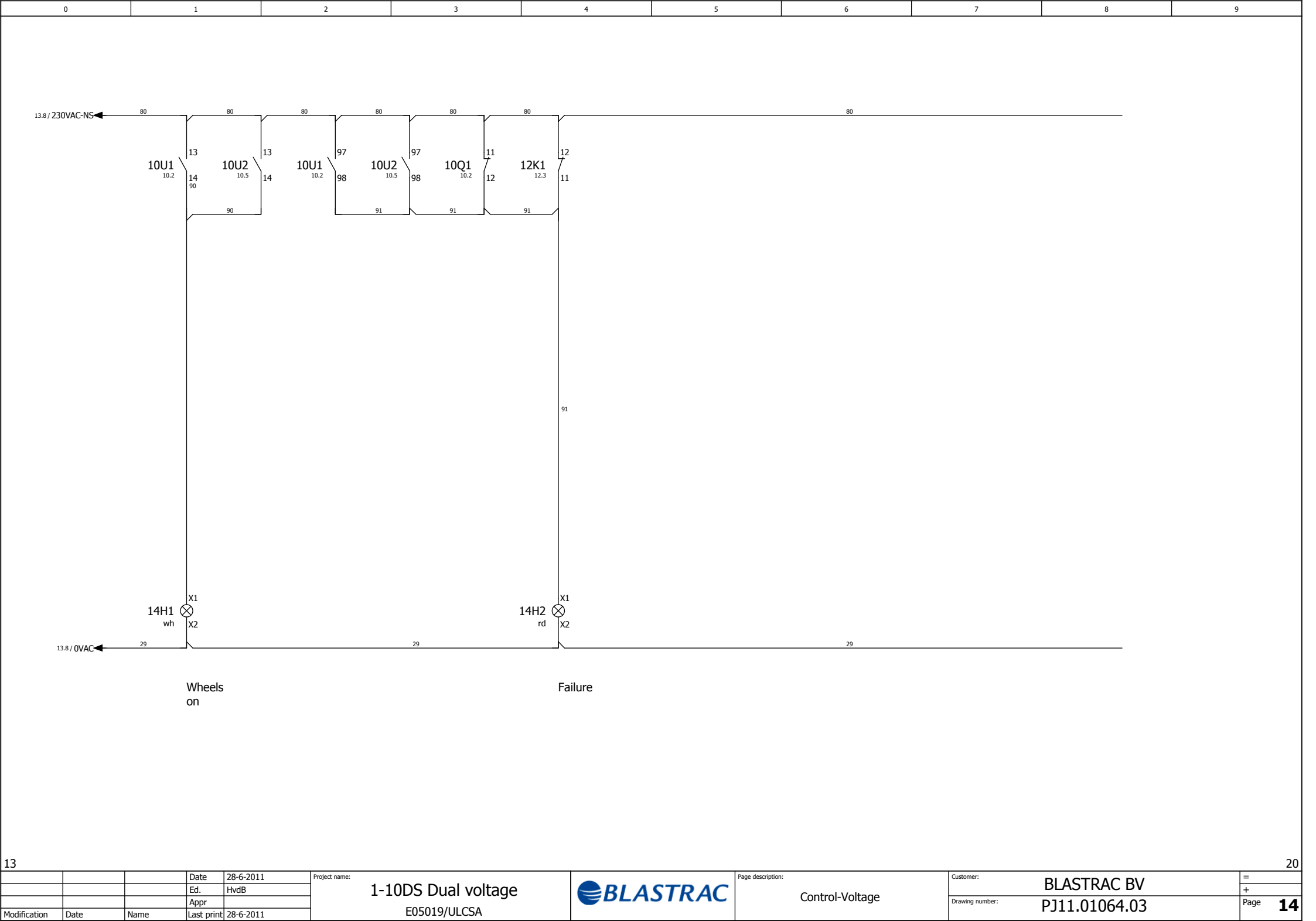
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13 → 14 12.6
22 → 21 13.3

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3 → 4 10.2
5 → 6 10.2
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22 → 21 13.2

1 → 2 10.6
3 → 4 10.6
5 → 6 10.6
22 → 21 13.5

1 → 2 10.5
3 → 4 10.5
5 → 6 10.5
22 → 21 13.4



			Date	28-6-2011	Project name: 1-10DS Dual voltage E05019/ULCSA		Page description: Control-Voltage	Customer:	BLASTRAC BV	=
			Ed.	HvdB						+
			Appr							
Modification	Date	Name	Last print	28-6-2011	Drawing number: PJ11.01064.03					Page 14

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Terminal diagram

F13_001

Strip X2										Cable name		w12ES3 w12ES2 w12ES1 w12ER1				Page / column
function text		Cable name		cable type		Target designation		Connection point		jumper		terminal		Connection point		
Drivemotor 0,75 Hp/480V/1,4A 0,75 Hp/277V/2,4A Incl. Thermistor								12U1	T1	1	•	12M1	T1		12.2	
=								12U1	T2	2	•	12M1	T2		12.2	
Brake 24Vdc								12F1		3	•	12M1	R1		12.4	
								12V1	x2							
Brake 24Vdc								11U1	-	4	•	12M1	R2		12.5	
								12V1	x1							
Speed								12U1	9	5	•	12ER1		BN	12.2	
Drivemotor 0,75 Hp/480V/1,4A 0,75 Hp/277V/2,4A Incl. Thermistor								12U1	8	6	•	12ER1		GN	12.3	
=								12U1	7	7	•	12ER1		WH	12.3	
=								12U1	20	8	•	12ES1	13		12.4	
								12U1	59							
Travel switch								12U1	E3	9	•	12ES1	14		12.4	
max. speed								12U1	E1	10	•	12ES2	4		12.4	
direction								12U1	E4	11	•	12ES3	4		12.5	
Drivemotor 0,75 Hp/480V/1,4A 0,75 Hp/277V/2,4A Incl. Thermistor										PE	•	PE			12.3	

Parts list

device tag	Quantity	designation	Type number	Brand	Blastrac number
CAB	1	1-10/15/20/20D univesel empty	1-10DS EMPTY	Haewa	E07833
CAB	2	Mont.goot BxH 25x80 MM vpp=56	T1-E 25X80 MONT.GOOT	Generic	E07834
CAB	1	M.rail verz.geel,7,5x35MM 2M	TS35 MONT.RAIL SLEUF	Generic	E07835
CAB	2	overdrive-forward zelfkl.60*10 witte pl/zw letter	RESOPAL 2-20DT/1	Generic	E07836
CAB	1	speed control zelfkl.45*10 witte pl/zw letter	RESOPAL 2-20DT/2	Generic	E07837
CAB	2	Bocht 90 M20 inw* M20 uitw	B/PG13/90	Generic	E07838
CAB	2	FITTING @16*M20	SP16/M20/A	Adaptaflex	E07839
CAB	2	FITTING @16*M20 DRAAIBAAR	SP16/M20/B	Adaptaflex	E03508
CAB	2	Bescherm slang metaal + pvc 16*13 zwart	SP16/ZWART	Adaptaflex	E00559
CAB	1	FITTING @25*M25 vast	SP25/M25/A	Adaptaflex	E07840
CAB	1	FITTING @25*M25 DRAAIBAAR	SP25/M25/B	Adaptaflex	E07841
CAB	1	Bescherm slang metaal + pvc 25*21.4 zwart	SP25/ZWART	Adaptaflex	E00560
CAB	1	Cable gland plug M20*1.5 brass, nickel-plated	WARTEL BLINDSTOP M20	Jacob	E07842
CAB	1	Cable gland M40*1.5 (PG29/36) brass, nickel-plated	WARTEL M40*1.5	Jacob	E00409
CAB	3	Cable gland nut M20*1.5 brass, nickel-plated	WARTELMOER M20*1.5	Jacob	E00406_1
CAB	1	Cable gland nut M25*1.5 brass, nickel-plated	WARTELMOER M25*1.5	Jacob	E00407_1
CAB	1	Cable gland nut M40*1.5 brass, nickel-plated	WARTELMOER M40*1.5	Jacob	E00409_1
CAB	15	Montagesnoer zwart AWG14 2.5mm2 UL-CSA	AWG 14 ZWART	LAPP	E07843
CAB	30	Montagesnoer rood AWG18 1.0mm2 UL-CSA	AWG 18 ROOD	LAPP	E07894
CAB	1	Montagesnoer zwart AWG18 1.0mm2 UL-CSA	AWG 18 ZT	LAPP	E07845
CAB	15	Montagesnoer rood AWG22 0.5mm2 UL-CSA	AWG 22 ROOD	LAPP	E07846
CAB	15	Montagesnoer donkerblauw AWG22 0.5mm2 UL-CSA	AWG 22 D BL.	LAPP	E08012
CAB	50	Adereindhuls 0.5mm2 wit geïsoleerd	G 488 MONT.ADERHULS	Calpe	E07848
CAB	40	Adereindhuls 1mm2 rood geïsoleerd	G 490	Calpe	E07849
CAB	70	Adereindhuls 2x1mm2 rood geïsoleerd	G 490-TWIN MONT.A.H.	Calpe	E07850
CAB	50	Adereindhuls 1,5mm2 zwart geïsoleerd	G 491 MONT.A.H.	Calpe	E07851
CAB	20	Adereindhuls 2,5mm2 grijs geïsoleerd	G 492 MONT.ADERHULS	Calpe	E07852
CAB	20	Aderhuls 2x2,5MM2 blauw geïsol	G 492-TWIN MONT.A.H.	Calpe	E07853
CAB	18	Adereindhuls 4mm2 oranje geïsoleerd	G 493 MONT.AD.HULS	Calpe	E07854
CAB	6	Aderhuls 10MM2 bruin geïsoleerd	G 495 MONT.ADERH.	Calpe	E07855
CAB	1	1-10DS dual voltage,incl.kleine stickers	STICKER 1-10DS DUAL VOLTAGE	Generic	E07864
CAB	12	Aderhuls 6MM2 groen geïsol	G 494 MONT.A.H.	Calpe	E07865
CAB	1	Montagesnoer ge/gr. AWG8 10mm2 UL-CSA	AWG 8 GG	LAPP	E07866
CAB	6	Montagesnoer zwart AWG8 10mm2 UL-CSA	AWG 8 ZW	LAPP	E07867
CAB	6	Montagesnoer zwart AWG12 4mm2 UL-CSA	AWG 12 ZW	LAPP	E08110
CAB	1	Reducer M20*1.5 ext. M16*1.5 int. brass nickel plated	REDUCTIERING M20M16	Jacob	E08095
CAB	1	Cabel gland M16*1.5 (PG9/11) IP68 brass, nickel-plated 50616	WARTEL M16*1.5	Jacob	E00405
CAB	1	Cable gland nut M16*1.5 brass, nickel-plated	WARTELMOER M16*1.5	Jacob	E00405_1
CAB	3	Montagesnoer wit/blauw AWG22 0.5mm2 UL-CSA	AWG 22 WH/BL.	LAPP	E08016
12ER1	1	Potm. 10KOhm. 4W-500V	POTMETER 10 K OHM	Generic	454795
12ER1	1	Schroef aansluiting potmeter	POTMETER PRINT KLEM	Wieland	E05088
12ER1	1	Head Ø22 + mounting base for potentiometer	ZB5-AD912	Schneider Electric	E01351/1
12ES1	1	Limit switch XCKP - steel roller plunger - 1NO+1NC - snap -	XCK-P2102P16	Schneider Electric	454796
12ES2	1	White square flush complete pushbutton Ø16 spring return 1NO	XB6-CA11B	Schneider Electric	E00867
12ES3	1	White square flush complete pushbutton Ø16 spring return 1NO	XB6-CA11B	Schneider Electric	E00867
10F1	1	Zek. autom. AB 2P 1A C-kar UL 489 480/277V	C60N-1489-A2C010	Allen Bradley	E07824
11F1	1	Zek. autom. AB 2P 6A D-kar UL 489 480/277V	C60N-1489-A2D060	Allen Bradley	E07816
11F2	1	Zek. autom. AB 1P 4A C-kar UL 489 480/277V	C60N-1489-A1C040	Allen Bradley	E07962
11F3	1	Zek. autom. AB 2P 2A C-kar	C60N-1492-SP2C020	Allen Bradley	E07904
12F1	1	ZEK.KLEM 10MM2 GRIJS 5*20MM	VUSI 4-10M C.ZEK.KLM	Wieland	E01321
12F1	1	VOOR VUSI 4-10	VASI 4-10 C.SCHOT	Wieland	E05154
12F1	1	ZEK.SMEL.TV. 5*20MM SLOW 1A	ZEK.GLAS TRAAAG 1 A	Generic	E07815
13H1	1	White pilot light head Ø22 plain lens for integral LED	ZB5-AV013	Schneider Electric	333-3454
13H1	1	White light block with body/fixing collar integral LED 230.2	ZB5-AVM1	Schneider Electric	E05093
13H1	1	tekstpl.houder 27*13 h=45 elfi	F6300	Schneider Electric	E07831
14H1	1	White pilot light head Ø22 plain lens for integral LED	ZB5-AV013	Schneider Electric	333-3454

Parts list

device tag	Quantity	designation	Type number	Brand	Blastrac number
14H1	1	White light block with body/fixing collar integral LED 230.2	ZB5-AVM1	Schneider Electric	E05093
14H1	1	tekstpl.houder 27*13 h=45 elfi	F6300	Schneider Electric	E07831
14H2	1	Red pilot light head Ø22 plain lens for integral LED	ZB5-AV043	Schneider Electric	E00360
14H2	1	Red light block with body/fixing collar integral LED 230.240	ZB5-AVM4	Schneider Electric	E07817
14H2	1	tekstpl.houder 27*13 h=45 elfi	F6300	Schneider Electric	E07831
10K1	1	Volt.bew.2w30-300/500V 24-240V	RM4-UA33MW	Schneider Electric	500-3570-EDA
10K2	1	Contactor 4.0kW 400vac 1M/1V coil 230Vac	LC1-D09-P7	Schneider Electric	333-3384
10K2	1	Auxiliary contact block - 2 NC - screw-clamps terminals	LAD-N02	Schneider Electric	E07818
12K1	1	Interface relais with socket 1CO 6A 24Vdc	38.51.7.024.0050	Finder	E05007
13KH1	1	Contactor 11kw 400VAC coil 230VAC 1NO/1NC	LC1-D25-P7	Schneider Electric	E01609
13KH2	1	Contactor 11kw 400VAC coil 230VAC 1NO/1NC	LC1-D25-P7	Schneider Electric	E01609
13KL1	1	Contactor 11kw 400VAC coil 230VAC 1NO/1NC	LC1-D25-P7	Schneider Electric	E01609
13KL1	2	Reversing switch kit	LAD-9R1V	Schneider Electric	E07820
13KL2	1	Contactor 11kw 400VAC coil 230VAC 1NO/1NC	LC1-D25-P7	Schneider Electric	E01609
13KM1	1	Auxiliary contact block - 2 NO - screw-clamps terminals	LAD-N20	Schneider Electric	500-3394
13KM1	1	Contactor 4.0kW 400vac 1M/1V coil 230Vac	LC1-D09-P7	Schneider Electric	333-3384
10L1	1	Prim. 50/5A 2.5VA/KI.1 UL-CSA	M55E-94E-NTLSDL-C7	Crompton	E00491
11M1	2	UITL.FILT.MONT.UITSP. 80*80MM	221-336 KAST KL.BEH.	PABST	E00283
11M1	2	Finger Guard 80mm.	250-1612 KAST KL.BEH	PABST	E00283
11M1	1	VENTILATOR80*80*38MM 240VAC	FAN 80*80*38	PABST	E05140
10P1	1	Amperemeter 50/5 48*48 met cornermask E242-75AG	IQ/EQ48 50A/5A	Crompton	E07869
10P2	1	Voltmeter 500V 48*48 met cornermask Crompton	IQ/EQ48 500V	Crompton	BG007854
14P1	1	Urenteller 48*48 12-48 Vdc	BZG 48/2E 24VDC	Müller	E05189
10Q1	1	Motor safety switch 28-40A	SIEM 3RV1031-4FA10	Siemens	E07966
10Q1	1	Auxiliary contact for 3RV10 circuit breaker 1NC+1NO	SIEM 3RV1901-1E	Siemens	E07964
10QM1	1	Hoofdschak. 63A, 3P niet vergrendelbaar	P3-63/E	Kraus Naimer	E07967
10S1	1	Pushbutton head Ø22 spring return without cap	ZB5-AA0	Schneider Electric	E01318
10S1	1	Single contact block with body/fixing collar 1NC screw clamp	ZB5-AZ102	Schneider Electric	E00357
10S1	1	Red cap marked STOP for circular pushbutton Ø22	ZBA-434	Schneider Electric	E01353
10S1	1	tekstpl.houder 27*13 h=45 elfi	F6300	Schneider Electric	E07831
10S2	1	tekstpl.houder 27*13 h=45 elfi	F6300	Schneider Electric	E07831
10S2	1	Pushbutton head Ø22 spring return without cap	ZB5-AA0	Schneider Electric	E01318
10S2	1	Single contact block with body/fixing collar 2NO screw clamp	ZB5-AZ103	Schneider Electric	E08169
10S2	1	Green cap marked START for circular pushbutton Ø22	ZBA-333	Schneider Electric	E05078
13S1	1	Sticker noodstop rood/geel	NOODSTOPSTICKER	Generic	E07832
13S1	1	Red Ø40 Emergency switching off pushbutton head Ø22 latching	ZB4-B554	Schneider Electric	001398
13S1	1	Single contact block for head Ø22 1NC screw clamp terminal	ZBE-102	Schneider Electric	E05092
13S2	1	tekstpl.houder 27*13 h=45 elfi	F6300	Schneider Electric	E07831
13S2	1	Pushbutton head Ø22 spring return without cap	ZB5-AA0	Schneider Electric	E01318
13S2	1	Red cap marked STOP for circular pushbutton Ø22	ZBA-434	Schneider Electric	E01353
13S2	1	Single contact block with body/fixing collar 1NC screw clamp	ZB5-AZ102	Schneider Electric	E00357
13S3	1	tekstpl.houder 27*13 h=45 elfi	F6300	Schneider Electric	E07831
13S3	1	Pushbutton head Ø22 spring return without cap	ZB5-AA0	Schneider Electric	E01318
13S3	1	Green cap marked START for circular pushbutton Ø22	ZBA-333	Schneider Electric	E05078
13S3	1	Single contact block with body/fixing collar 1NO screw clamp	ZB5-AZ101	Schneider Electric	333-3224
11T1	1	Transformator 440/230V ac 800VA	SIEM 4AM55 42-8DD40-0FA0	Siemens	E07872
10U1	1	Softst.3-f 25A 200-480V/240 AC/DC (11kW)	150-C25NBD	Allen Bradley	E07871
10U2	1	Softst.3-f 25A 200-480V/240 AC/DC (11kW)	150-C25NBD	Allen Bradley	E07871
11U1	1	Power supply 24Vdc 3A 200-520Vac	ABL8-RPS24030	Schneider Electric	E05149
12U1	1	E82EV551K2C200 vector/no filte	FREQ.REG 0.55 KW (1FASE)	Lenze	E07812
12U1	1	E82ZBC bed. display	FREQ.REG BED.DISPLAY	Lenze BV	E00415
12U1	1	E82ZAFS standaard I/O inbouw	FREQ.REG I/O	Lenze	E00482
12V1	1	Diode 1000V 1A	GEN DIODE 1N4007	Generic	E07827
X0	3	Conn. railkl. 16MM2 grijs	VU5-16 CONN.R.KLEM	Wieland	E05190
X0	1	Conn.aardkl.,16MM2, ge/gr	VUPE-5-16 CONN.A.KL.	Wieland	E05191
X1	6	Conn.railkl. 6MM2 grijs	VU4-6 CONN.RAILKL.	Wieland	E01331

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