

Project description		1-15DS 3X480V TRUBRAND	
Drawing number		PJ15.1178.00.1	
Type number		E10788/ULCSA	
Power supply		480V 60Hz	
Input lead		Input lead	
Control Voltage		240Vac/24Vdc	
Status		Preliminary	
Year of Manufacturing		2015	
Created on	9-9-2015	by	KR
Edit date	13-11-2015	by	HVDB
		Number of pages	22



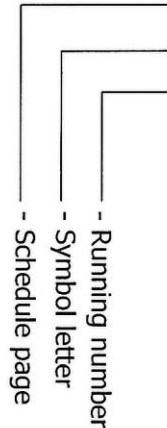
[illegible]

WIRE COLOR

All wiring AWG

SYMBOL CODE

11 F 11



Main Voltage

Phase

Colors

- L1 - Black
- L2 - Black
- L3 - Black
- Earth / PE - Yellow/Green

CORE CODE

11 11

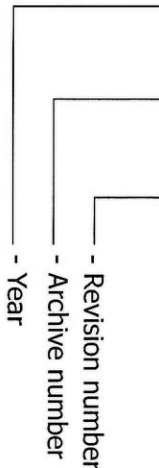


Control Voltage (AC)

- Phase - Red
- Hook-up wire - Red
- Zero - Red

DRAWING NUMBER

PJ###.###.###



Control Voltage (DC)

- (+) - Dark Blue
- Hook-up wire - Dark Blue
- (-) - White/Blue

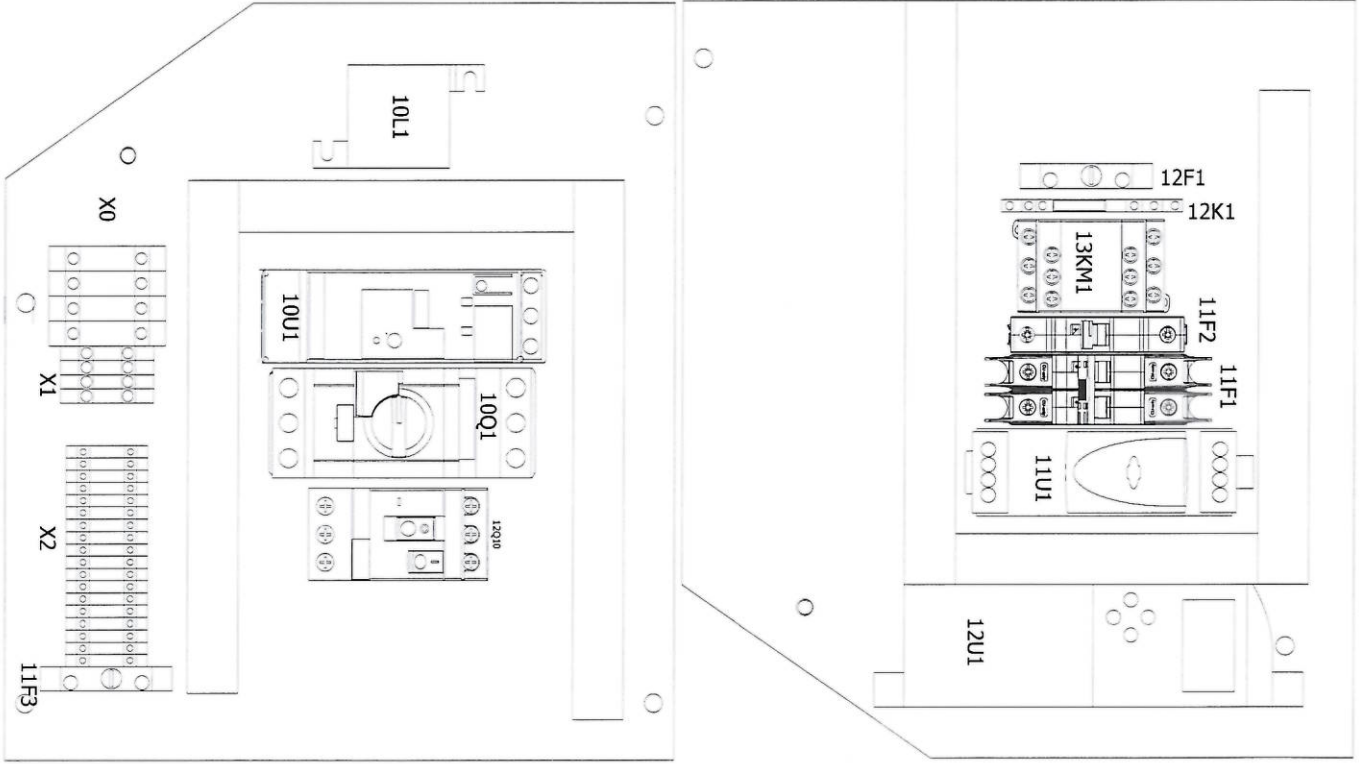
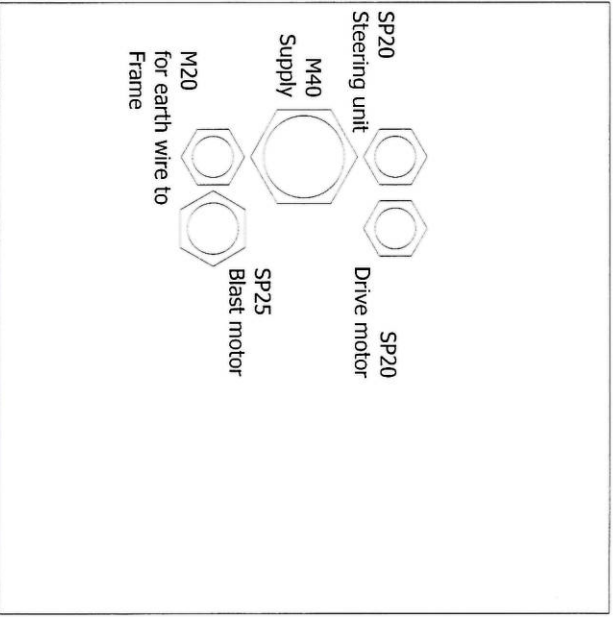
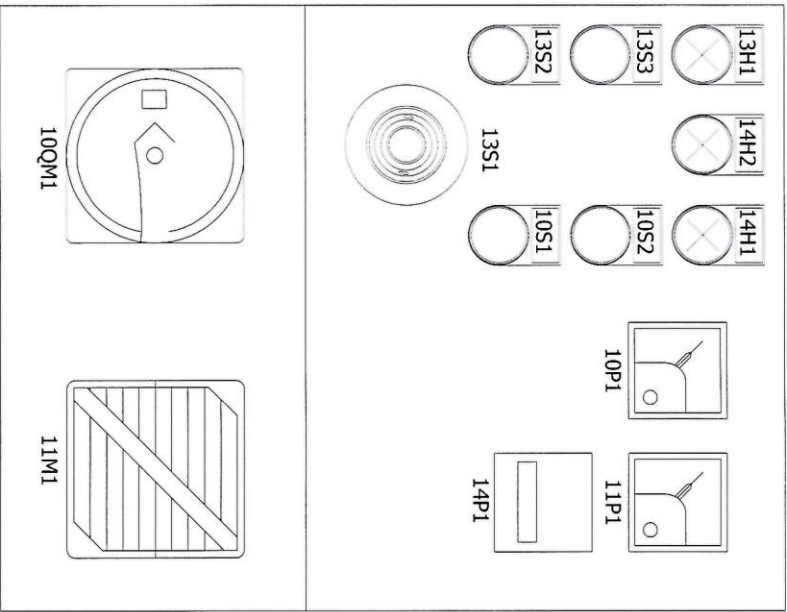


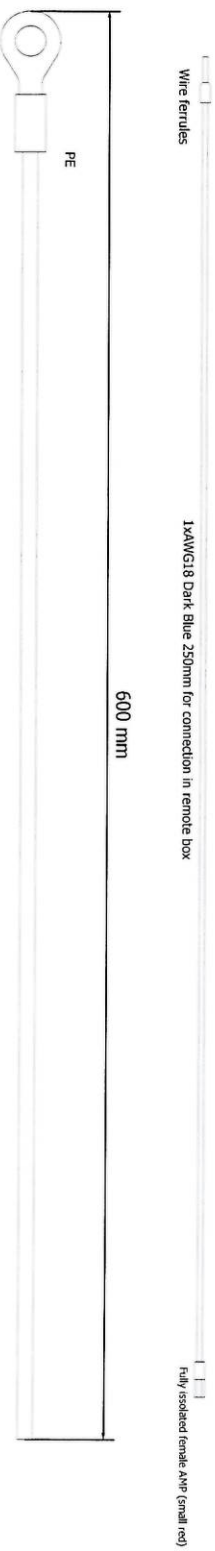
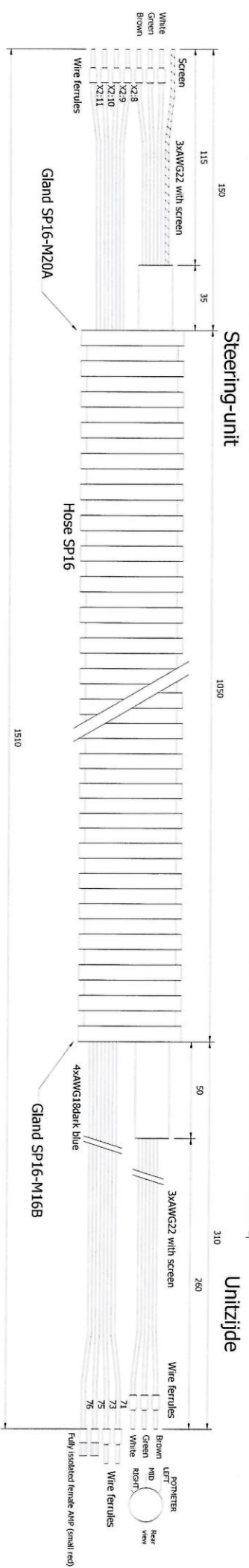
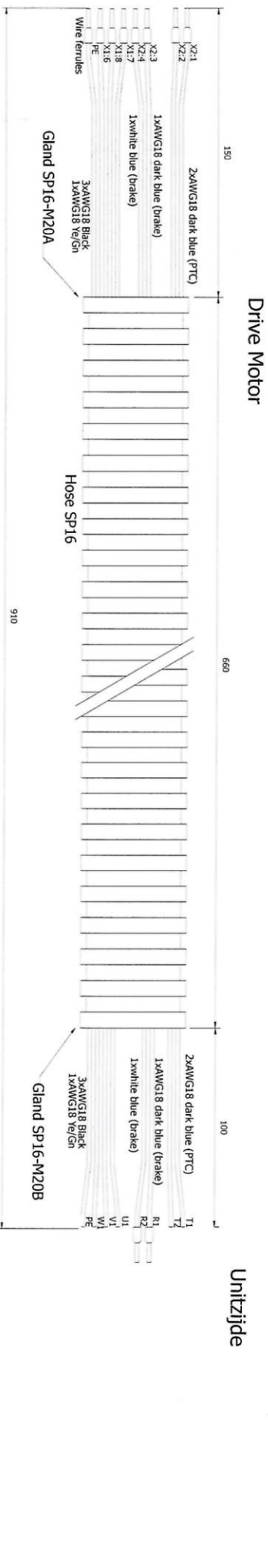
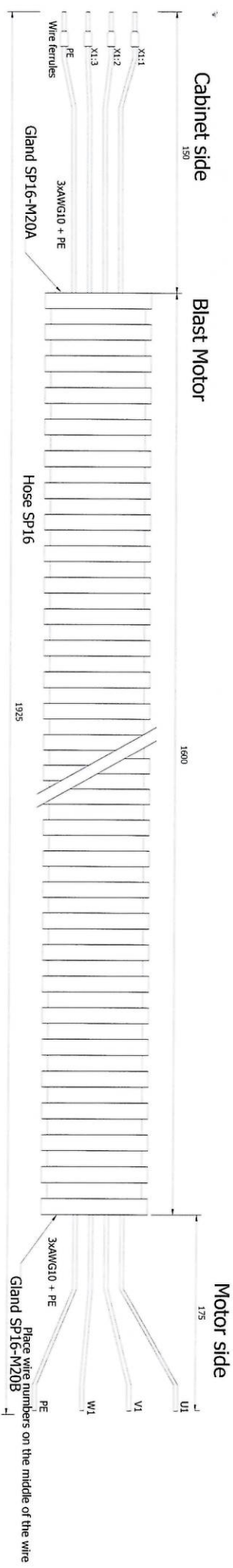
	05	10	15	20	25	30	35	40	45	50
	auxiliary contact	hulpcontact								smeltveiligheid
	Power contact	vermogenscontact		horn		signaal lamp		Safety fuse		
	NO contact, opens with time delay	maakcontact, vertraagd open		amp. meter		hoorn		Fused switch, three-pole		schakelbare schneider
	NC contact, closes with time delay	maakcontact, vertraagd sluitend		runninghour counter		ampere meter		Fused disconnect, three-pole		schneider "knapzak"
	NC contact, opens with time delay	verbreekcontact, vertraagd open			wentelster		Main switch			hoofdschakelaar
	NC contact, closes with time delay	verbreekcontact, vertraagd sluitend		transformer		transformator		Circuit breaker, single-pole		installatieautomaat 1-polig
	Pushbutton rebound	drukknop terugverend		Contactor coil relay coil		spoel		Circuit breaker, two-pole		installatieautomaat 2-polig
	Pushbutton locking	drukknop blijvend		Contactor/relay coil with pick-up delay		Spool met optienvertraging		Circuit breaker, three-pole		installatieautomaat 3-polig
	Rotary switch rebound	tip draaischakelaar		Contactor/relay coil with drop-out delay		spoel met afkwalvertraging		Power circuit breaker motor overload switch with switch mechanism		motorbeveiligingsschakelaar
	Rotary switch locking	draaischakelaar		Contactor pulse coil relay pulse coil,		spoel puls		Valve		elektrisch bediende klep
	Emergency stop rotary unlock	noodstop met draaibare vrijgave		Tube light		T.L verlichting		Resistor with movable contact		regelbare weerstand
	Thermostatic switch	thermostaat hygrostaat		Resistor / Heating		weerstand verwarming		Terminal		nijgkleem
	Pressure switch	drukschakelaar		Socket		wandcontactdoos		Terminal with fuse		nijgkleem met zekering
	Limit switch	eindschakelaar		Current transformer		stroomtransformatie		Busbar connection		Vernietrail
	Proximity switch	naderingschakelaar		Wire termination Not connected Insulated				Rectifier		gelijkrichter

6

6M35

CAB





M8

Ground Wire for connection to machine frame

AWG6 Green/yellow

Connect to inside cabinet wall

Modification	Date	Name	Date	Ed.	Appr.	Last print	13-11-2015	Project name:	1-15 DS 3x480V	Page description:	Cables	Client:	TRUBRAND	Ordering number:	PJ15.1178.00.1	Page	7
--------------	------	------	------	-----	-------	------------	------------	---------------	----------------	-------------------	--------	---------	----------	------------------	----------------	------	---



Supply  
3x480 / 60Hz

## Earth connection to Frame

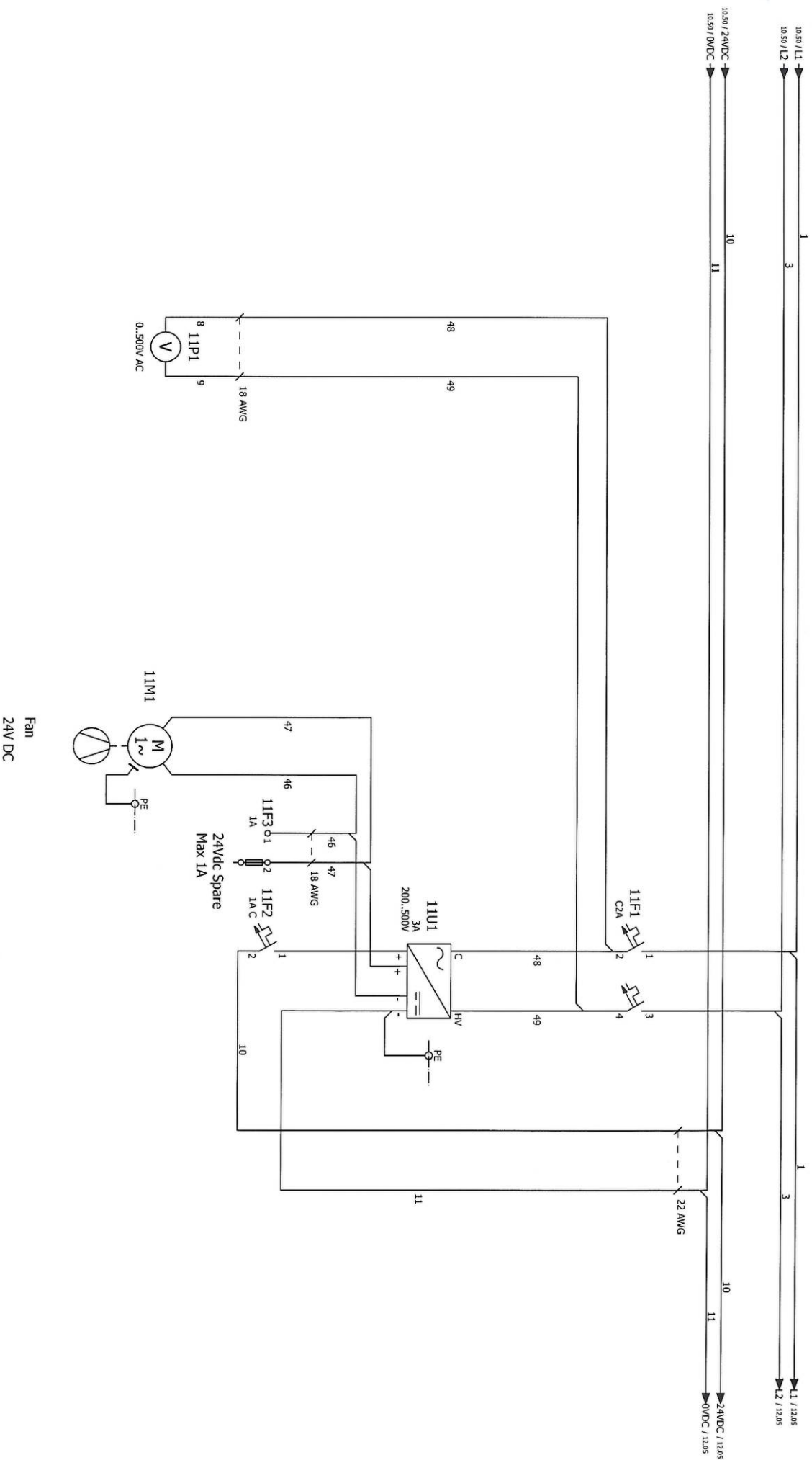
10M1

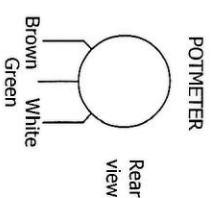
[illegible]

	Date	13-11-2015	Project name:	
	EI.	HVDB		
	Appr			
Date	Name	Last print 13-11-2015		
1-15 DS 3x480V				
 <b>TruBrand</b>			Page(s) containing:	
			Main-Voltage	
			Name:	
			TRUBRAND	
			Tendering number:	
			PJ15.1178.00.1	
			= EI	
			+	
			Page	
			<b>10</b>	



05	10	15	20	25	30	35	40	45	50
----	----	----	----	----	----	----	----	----	----





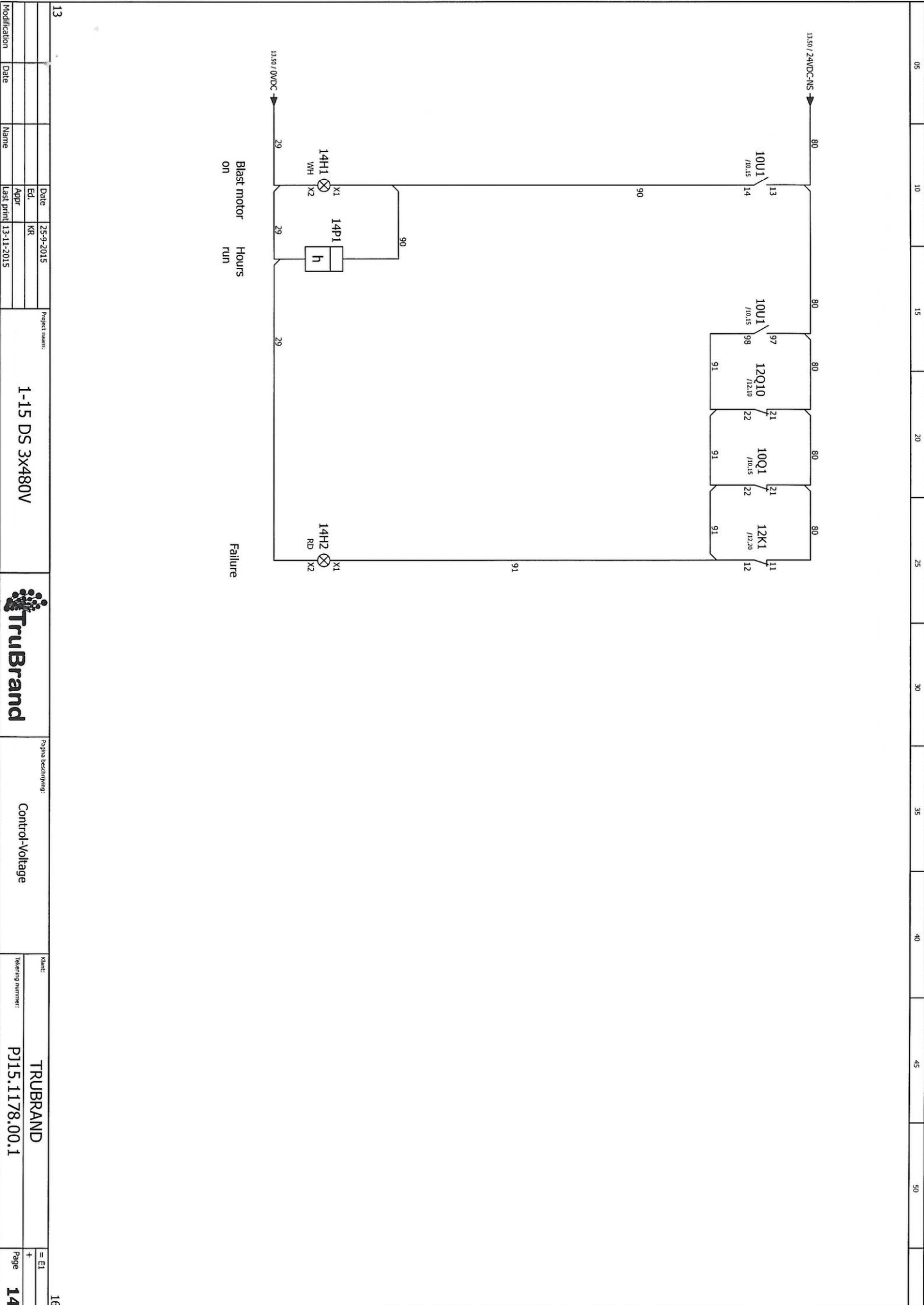
Drive parameter	Setting
Drive parameter	Setting

C0007/000	-2-
C0008/000	-7-
C0010/000	0 Hz
C0011/000	50 Hz
C0012/000	1 sec.
C0013/000	0,5 sec.
C0015/000	50 Hz.
C0016/000	5 %
C0017/000	0 Hz.
C0037/000	50 Hz.
C0087/000	1410 rpm.
C0088/000	1,9 A
C0089/000	50 Hz.
C0090/000	480 V
C0091/000	0,8
C0105/000	0,9 sec.
C0119/000	-1-
C0142/000	-3-
C0148/000	-1- (*)
C0410/001	-1-
C0415/001	-6-
C0415/002	-25-
C0416/000	-2-
C0417/001	-1-

(\*) Motor identification will be 0 after applying

Project name:		1-15 DS 3x480V	
Date	13-11-2015		Pages describing:  <b>Main-Voltage</b>
Ed.	HVDB		
Appr			
Modification			
Date	13-11-2015		
Name	Last print		
Name:		TRUBRAND	
Drawing number:		PJ15.1178.00.1	
		= E1	
		+	
		Page	<b>12</b>





05	10	15	20	25	30	35	40	45	50
13									
Modification	Date	Name	Date	Ed.	KR	Appr	Last print	13-11-2015	
Project name: 1-15 DS 3x480V									
Page description: Control-Voltage									
Mat: TRUBRAND									
Telering nummer: PJ15.1178.00.1									
= EI									
+ Page 14									



## Terminal diagram

[illegible]





## Terminal line-up diagram

L1
L2
L3
PE

[illegible]



[illegible][illegible]

1

1

Parts list E1

device tag	Quantity	designation	Type number	Brand
-CAB	1	1-10/15/20/20D universal empty	1-10DS EMPTY	Haewa
-CAB	2	Mont.goot BxH 23x80 min vpp=56	T1-E 25X80 MONT.GOOT	Generic
-CAB	1	M.rail galvanized,7,5x35mm 2M	TS35 MOUNT.RAIL GROOVE	Generic
-CAB	2	overdrive-forward zeifkl,60°10 white p/zw letter	RESOPAL 2-20D/1	Generic
-CAB	1	speed control zeifkl,45°10 white p/zw letter	RESOPAL 2-20D/1.2	Generic
-CAB	1	Bocht 90 M20 inv* M20 uitw	B/PG13/90	Generic
-CAB	3	FITTING @16°M20	SP16/M20/A	Adaptallex
-CAB	2	FITTING @16°M16 DRAAIBAAR	SP16/M16/B	Adaptallex
-CAB	2	FITTING @16°M20 DRAAIBAAR	SP16/M20/B	Adaptallex
-CAB	2	Beschermslag metaal + pvc 16°1.3 zwart	SP16/ZWAART	Adaptallex
-CAB	1	FITTING @25°M25 vast	SP25/M25/A	Adaptallex
-CAB	1	FITTING @25°M25 DRAAIBAAR	SP25/M25/B	Adaptallex
-CAB	1	Beschermslag metaal + pvc 25°21.4 zwart	SP25/ZWAART	Adaptallex
-CAB	3	Cable gland M20*1.5 polyamide 50.620	WARTREL PA M20*1.5	Jacob
-CAB	1	Cable gland M40*1.5 polyamide 50.640	WARTREL PA M40*1.5	Jacob
-CAB	3	Cable gland nut M20*1.5 brass, nickel-plated	WARTELMOER M20*1.5	Jacob
-CAB	1	Cable gland nut M25*1.5 brass, nickel-plated	WARTELMOER M25*1.5	Jacob
-CAB	1	Internal wire black AWG14 2.5mm2 UL-CSA	WARTELMOER PA M40*1.	Jacob
-CAB	15	Internal wire black AWG18 1.0mm2 UL-CSA	AWG 14 ZWAART	LAPP
-CAB	1	Internal wire black AWG18 1.0mm2 UL-CSA	AWG 18 ROD	LAPP
-CAB	15	Internal wire red AWG22 0.5mm2 UL-CSA	AWG 18 ZWAART	LAPP
-CAB	15	Internal wire darkblue AWG22 0.5mm2 UL-CSA	AWG 22 ROD	LAPP
-CAB	50	Ferrule 0.5mm2 white insulated	AWG 22 D BL.	LAPP
-CAB	40	Ferrule 1mm2 red insulated	G 490	Calpe
-CAB	70	Ferrule 2x1mm2 red insulated	G 490-TWIN MONT.A.H.	Calpe
-CAB	50	Ferrule 1.5mm2 black insulated	G 491 MONT.A.H.	Calpe
-CAB	20	Ferrule 2x2.5mm2 blue insulated	G 492 MONT.ADR.HULS	Calpe
-CAB	18	Ferrule 4mm2 orange insulated	G 492-TWIN MONT.A.H.	Calpe
-CAB	6	Ferrule 10mm2 brown insulated	G 493 MONT.AD.HULS	Calpe
-CAB	1	Internal wire yellow/green AWG8 10mm2 UL-CSA	G 495 MONT.ADR.H.	Calpe
-CAB	6	Internal wire black AWG8 10mm2 UL-CSA	AWG 8 GG	LAPP
-CAB	1	Reducer M25*1.5 ext. M20*1.5 int. brass, nickel plated	REDUCTERING M25M20	LAPP
-CAB	1	Internal wire white/blue AWG22 0.5mm2 UL-CSA	AWG 22 WH/BL.	LAPP
-CAB	1	Slidder for Aransco Truband 1-1SDS 3x480V	201159	LAPP
-X0	1	Endsteun V4 Klein 9708/2535	ENDSTEUN V4 CON.ACC	Wieland
-X0	3	Conn. railkl. 16MM2 gris	VUS-16 CONN.R.KLEM	Wieland
-X0	1	Conn.aardkl.16MM2, ge/gr	VUPE-5-16 CONN.A.KL.	Wieland
-X1	3	Conn.railkl. 6MM2 gris	VU+6 CONN.RAILKL.	Wieland
-X1	1	Conn.aardkl. 6MM2 GE/SEN WK68/U	VUPE 4-6 CONN.AARDKL	Wieland
-X1	3	Conn. railkl. 4MM2 gris WK4/U	VU+4 GRUS CONN.R.K.	Wieland
-X1	1	Aardkl. 4MM2 ge/gr WK45/U	VUPE 4+4 CONN.AARDKL	Wieland
-X1	1	Endsteun V4 Klein 9708/2535	ENDSTEUN V4 CON.ACC	Wieland
-X2	2	Endsteun V4 Klein 9708/2535	ENDSTEUN V4 CON.ACC	Wieland
-X2	11	Conn. railkl. 4MM2 gris WK4/U	VU+4 GRUS CONN.R.K.	Wieland
-X2	1	Aardkl. 4MM2 ge/gr WK45/U	VUPE 4+4 CONN.AARDKL	Wieland
-10L1	1	Pimn. 75/5A 3.75VA/K1.1 UL-CSA	M5SE-94A	Crompton
-10P1	1	Ampere-meter 75A/5A 48°48 met comemark E242-75AG	IO/EQ48 75A/5A	Crompton
-10P1	1	IV48 48°48mm, IP-20	IO/EQ 48 ADRERKAP	Crompton
-10Q1	1	motor bev.20-25A	SIEM 38V1021-4DA10	Siemens
-10Q1	1	Auxiliary contact for 38V10 circuit breaker INC+INO	SIEM 38V1901-1E	Siemens
-10Q1M	1	Hoodcheck. 63A, 3P niet vergrendelbaar	P3-63/E	Kraus Naimner
-10S1	1	Pushbutton head Ø22 spring return without cap	ZBS-A40	Schneider Electric
-10S1	1	Single contact block with body/fixing collar 1NC screw clamp	ZBS-A2102	Schneider Electric
-10S1	1	Red cap marked STOP for circular pushbutton Ø22	ZBA-434	Schneider Electric



Parts list E1

device tag	Quantity	designation	Type number	Brand
-10S1	1	tekspkl houder 27*13 h=45 eflr	F6300	Schneider Electric
-10S2	1	tekspkl houder 27*13 h=45 eflr	F6300	Schneider Electric
-10S2	1	Pushbutton head Ø22 spring return without cap	ZB5-A40	Schneider Electric
-10S2	1	Single contact block with body/fixing collar 2NO screw clamp	ZB5-A2103	Schneider Electric
-10S2	1	Green cap marked START for circular pushbutton Ø22	ZB5-A333	Schneider Electric
-10U1	1	Softst. 3-1 30A 200-480V/24 AC/DC (15kV)	150-C30NBR	Allen Bradley
-11F1	1	Circuit breaker AB 2P 2A C-kar UL 489 480/277V	C60N-1489-MCC020	Allen Bradley
-11F2	1	Circuit breaker AB 1P 1A C-kar	C60N-1492-SPM1C010	Allen Bradley
-11F3	1	ZEK-SMELTY, 5*20MM SLOW 1A	ZEK-GLAS TRAAG 1 A	Generic
-11F3	1	Conn. railkl, 4MM2 grips WK4/U	VU4-4 GRUUS CONN.R.K	Wieland
-11F3	1	ZEK-KLEM 10MM2 GRUS 5*20MM	VUS1-4+10M CZEK.KLM	Wieland
-11F3	1	VOOR VUS1 4-10	VAS1-4+10 C.SCHOT	Wieland
-11F3	1	Endstein V4 klein 9708/2535	ENDSTEIN V4 CON.ACC	Wieland
-11M1	1	Ventilator 80*80*20mm, 24VDC	FAN 80*80*20MM 24 VDC/ NMB	PABST
-11M1	2	UITL.FILTMONT.IUTSP. 80*80MM	221-336 KAST KL.BEH.	PABST
-11P1	1	Finger Guard 80mm.	250-1612 KAST KL.BEH	PABST
-11U1	1	Voltmeter 500V 48*48 met covermask E242-75VG Crompton	IQ/EC48 500V	Crompton
-12ER1	1	Power supply 24VDC 3A 200-520Vdc	AB18-RPS2-4030	Schneider Electric
-12ER1	1	Patrn. 10KOlm, 4W-500V	POTMETER 10 K OHM	Generic
-12ER1	1	Schneef aansluiting potmeter	POTMETER PRINT KLEM	Wieland
-12ER1	1	Head Ø22 + mounting base for potentiometer	ZB4-B0912	Schneider Electric
-12ES1	1	Limit switch XCKP - steel roller plunger - 1NO+1NC - snap -	XCK-P2102P16	Schneider Electric
-12ES2	1	White square flush complete pushbutton Ø16 spring return 1NO	XB6-CAL18	Schneider Electric
-12ES3	1	White square flush complete pushbutton Ø16 spring return 1NO	XB6-CAL18	Schneider Electric
-12F1	1	ZEK-KLEM 10MM2 GRUS 5*20MM	VUS1-4+10M CZEK.KLM	Wieland
-12F1	1	VOOR VUS1 4-10	VAS1-4+10 C.SCHOT	Wieland
-12F1	1	ZEK-SMELTY, 5*20MM SLOW 1A	ZEK-GLAS TRAAG 1 A	Generic
-12K1	1	Interface relais with socket ICO 6A 24Vdc	38.S1.7024.0050	Finder
-12Q10	1	Motor protection switch Z 4 4,0A	GV4ME08	Schneider Electric
-12Q10	1	Plug in aux. front for GV2-ME 1XNO +1XNC	GV4E11	Schneider Electric
-12U1	1	EBZEV152K4C200 3F 320..550VAC	FREQ.REG 1.5 KW	Lenze
-12U1	1	EBZ2BC bed. display	FREQ.REG BED.DISPLAY	Lenze
-12V1	1	EBZ2AFS standard I/O inbouw	FREQ.REG I/O	Lenze
-12V1	1	Diode 1000V 1A	GEN DIODE 1M4007	Generic
-13H1	1	tekspkl houder 27*13 h=45 eflr	F6300	Schneider Electric
-13H1	1	White pilot light head Ø22 plain lens for integral LED	ZB5-AV013	Schneider Electric
-13H1	1	White light block with body/fixing collar integral LED 24V	ZB5-AVB1	Schneider Electric
-13KM1	1	Auxiliary contact block - 2 NO - screw-clamps terminals	LAD-A20	Schneider Electric
-13KM1	1	Contactor 4,0kW 400VAC coil 24VDC 1NO/1NC	LCL-D09-BD	Schneider Electric
-13S1	1	Red Ø40 Emergency switching off pushbutton head Ø22 latching	ZB4-B5B44	Schneider Electric
-13S1	1	Single contact block with body/fixing collar 1NC screw clamp	ZB4-B2102	Schneider Electric
-13S1	1	Sticker emergency stop yellow/red	EMERGENCY STOP STICKER	De Vries
-13S2	1	tekspklhouder 27*13 h=45 eflr	F6300	Schneider Electric
-13S2	1	Pushbutton head Ø22 spring return without cap	ZB5-A40	Schneider Electric
-13S2	1	Red cap marked STOP for circular pushbutton Ø22	ZB5-A34	Schneider Electric
-13S2	1	Single contact block with body/fixing collar 1NC screw clamp	ZB5-A2102	Schneider Electric
-13S3	1	tekspkl houder 27*13 h=45 eflr	F6300	Schneider Electric
-13S3	1	Pushbutton head Ø22 spring return without cap	ZB5-A40	Schneider Electric
-13S3	1	Green cap marked START for circular pushbutton Ø22	ZB4-A333	Schneider Electric
-13S3	1	Single contact block with body/fixing collar 1NO screw clamp	ZB5-A2101	Schneider Electric
-14H1	1	tekspklhouder 27*13 h=45 eflr	F6300	Schneider Electric
-14H1	1	White pilot light head Ø22 plain lens for integral LED	ZB5-AV013	Schneider Electric
-14H1	1	White light block with body/fixing collar integral LED 24V	ZB5-AVB1	Schneider Electric
-14H2	1	tekspklhouder 27*13 h=45 eflr	F6300	Schneider Electric
-14H2	1	Red pilot light head Ø22 plain lens for integral LED	ZB5-AV013	Schneider Electric
-14H2	1	Red light block with body/fixing collar integral LED 24V	ZB5-AVB4	Schneider Electric



## 50

50