



Project description 654 BDC 3X480V TRUBRAND

Drawing number PJ15.1185.00.1
Blasstrac number E10791

Power supply 480V 60Hz
Input lead Input lead
Control Voltage 24VAC
Status Preliminary
Year of Manufacturing 2015

Created on 1-10-2015 by KR
Edit date 23-11-2015 by HVDB
Number of pages 18

Date	23-11-2015	Project name	654 BDC 3X480V TRUBRAND	Page description	Titlepage / Cover sheet	Zone	TRUBRAND	Page	1
Ed.	HVDB					Technical drawing	PJ15.1185.00.1		
Adm.									
Adm. print	23-11-2015								

of contents

[illegible]

WIRE COLOR

All wiring AWG

Main Voltage

Phase

- | | |
|----|---------|
| L1 | - Black |
| L2 | - Black |
| L3 | - Black |
| N | - Light |

Colors

- Black
- Black
- Black
- Light Blue
- Yellow/Green

Control Voltage

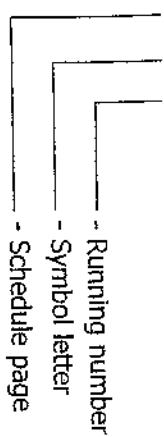
- | | |
|-----------------|-------|
| Phase (24VAC) | - Red |
| Hook-up wire | - Red |
| Neutral (24VAC) | - Red |

Plus (24VDC)

- | | |
|------------------------|--------------|
| Plus (24VDC) | - Dark blue |
| Hook-up wire | - Dark blue |
| Minus / Ground (24VDC) | - White/Blue |

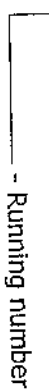
SYMBOL CODE

11F11



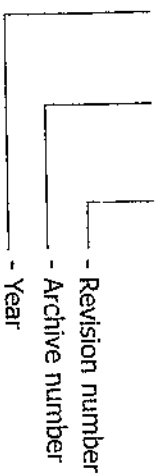
CORE CODE


1
2
3
4



DRAWING NUMBER

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



Date	2-10-2015	Project name: 654 BDC 3X480V TRUBRAND		Region identifier: Legend	Exam:	TRUBRAND	= EI	
EA	KR				Trading number	PJ15.1185.00.1	Page	4
AGU								
Date	last print: 23-11-2015							

		10	15	20	25	30	35	40	45	50
7	auxiliary contact	hulpcontact		signallamp		Safety fuse		smeeveiligheid		
7	Power contact	voermogencontact		hoorn		Fused switch, three-pole		schakelbare activer		
7	NO contact, opens with time delay	makcontact, vertraagd open		amp. meter		Fused disconnect, three-pole		schneider "Magdak"		
7	NO contact, closes with time delay	makcontact, vertraagd sluitend		runninghour counter		Main switch		hoofdschakelaar		
7	NC contact, opens with time delay	verbrekcontact, vertraagd open		urenmeter		Circuit breaker, single-pole		installatieautomat 1-poolig		
7	NC contact, closes with time delay	verbrekcontact, vertraagd sluitend		transformator		Circuit breaker, two-pole		installatieautomat 2-poolig		
7	Pushbutton rebound	drukknop terugverend		Contactor coil relay coil		Circuit breaker, three-pole		installatieautomat 3-poolig		
7	Pushbutton locking	drukknop blokkend		Contactor/relay coil, with pick-up delay		Circuit breaker, three-pole		installatieautomat 3-poolig		
7	Rotary switch rebound	tp draaischakelaar		Contactor/relay coil, with drop-out delay		Power circuit breaker motor overload switch with switch mechanism		motorbeschermingsschakelaar		
7	Rotary switch locking	draaischakelaar		Contactor pulse coil relay pulse coil		Valve		elektrisch besturende klep		
7	Emergency stop rotary unlock	noedstop met draaibare vrijgave		Tube light		Resistor with movable contact		regelaar weerstand		
7	Thermostatic switch	thermostaat hygrostaat		Resistor / Heating		Terminal		rijtken		
7	Pressure switch	drukschakelaar		Socket		Terminal with fuse		rijtken met zekering		
7	Limit switch	eindschakelaar		Current transformer		Rectifier		gelijkrichter		
7	Proximity switch	naderingsschakelaar								

654 BDC 3X480V TRUBRAND

TruBrand

Project name:

654 BDC 3X480V TRUBRAND

Project number:

Symbol library

Drawn by:

TRUBRAND

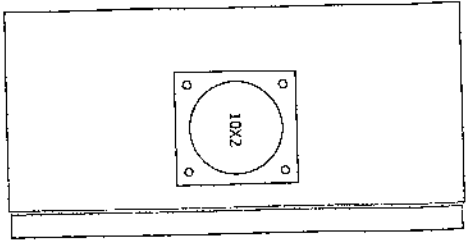
Check by:

PJ15.1185.00.1

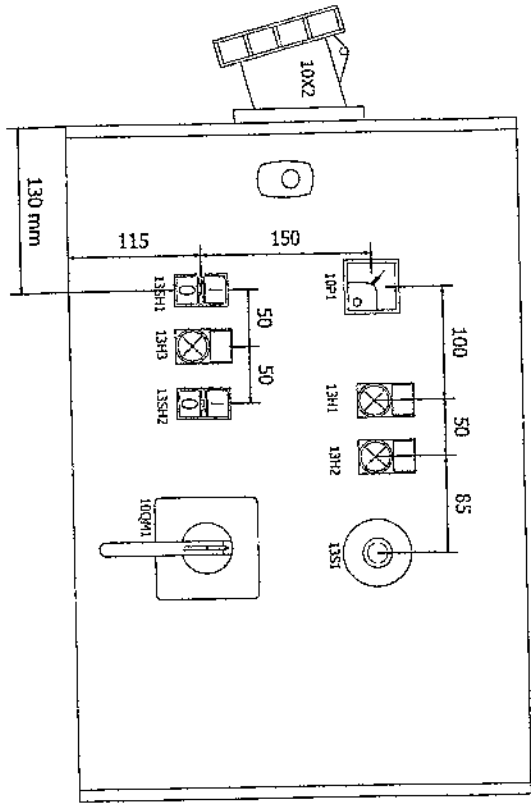
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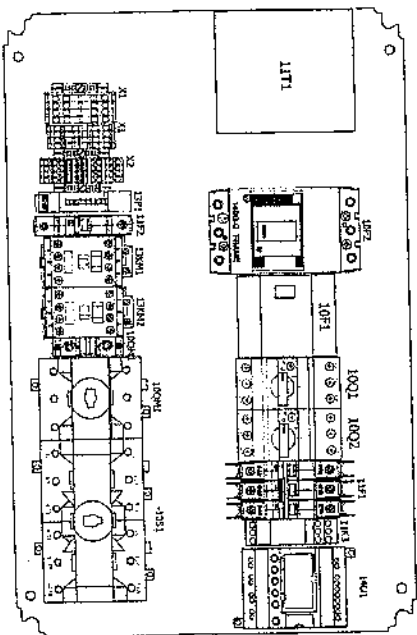
CABINET
LEFT HAND VIEW



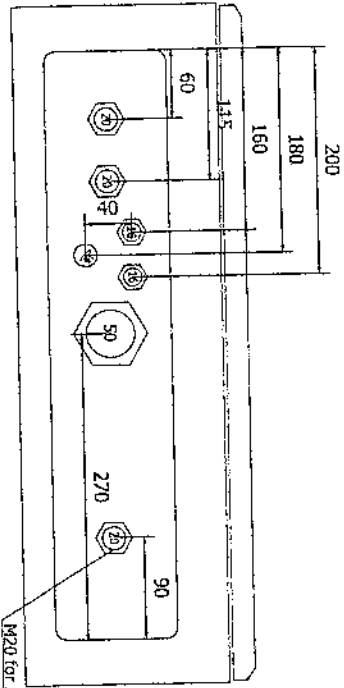
CABINET
FRONT VIEW



MOUNTING PLATE

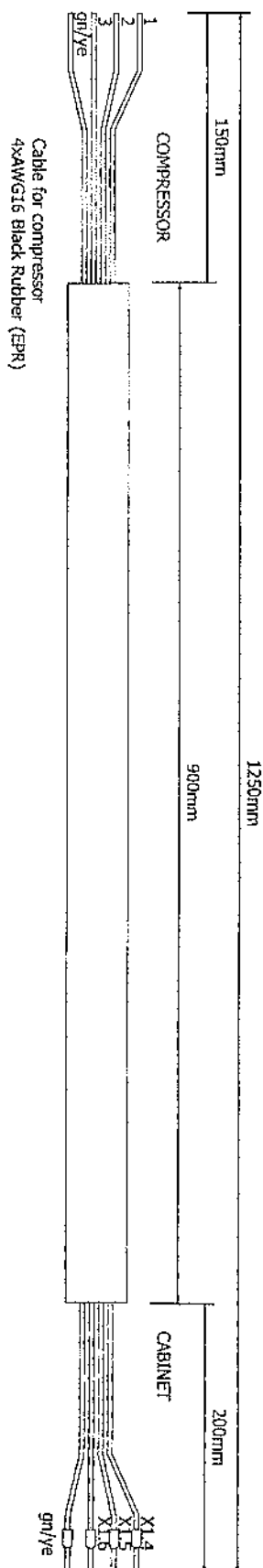
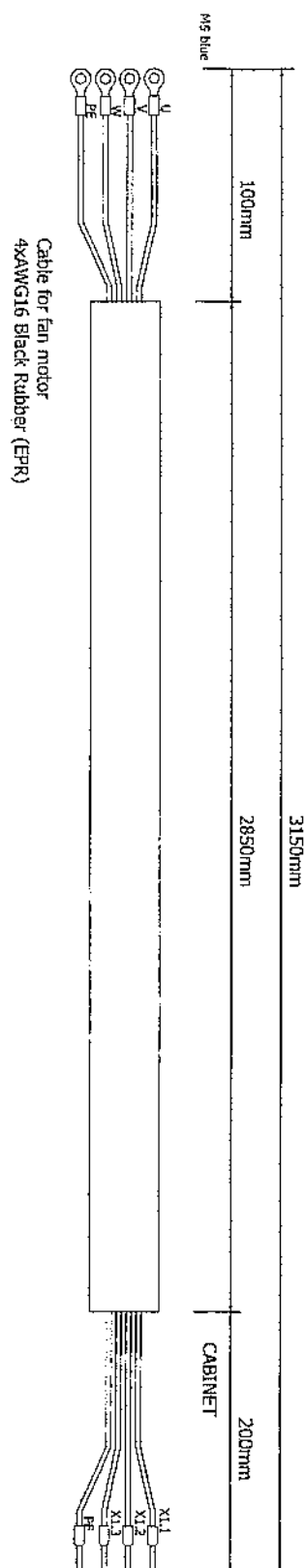


CABINET
BOTTOM VIEW

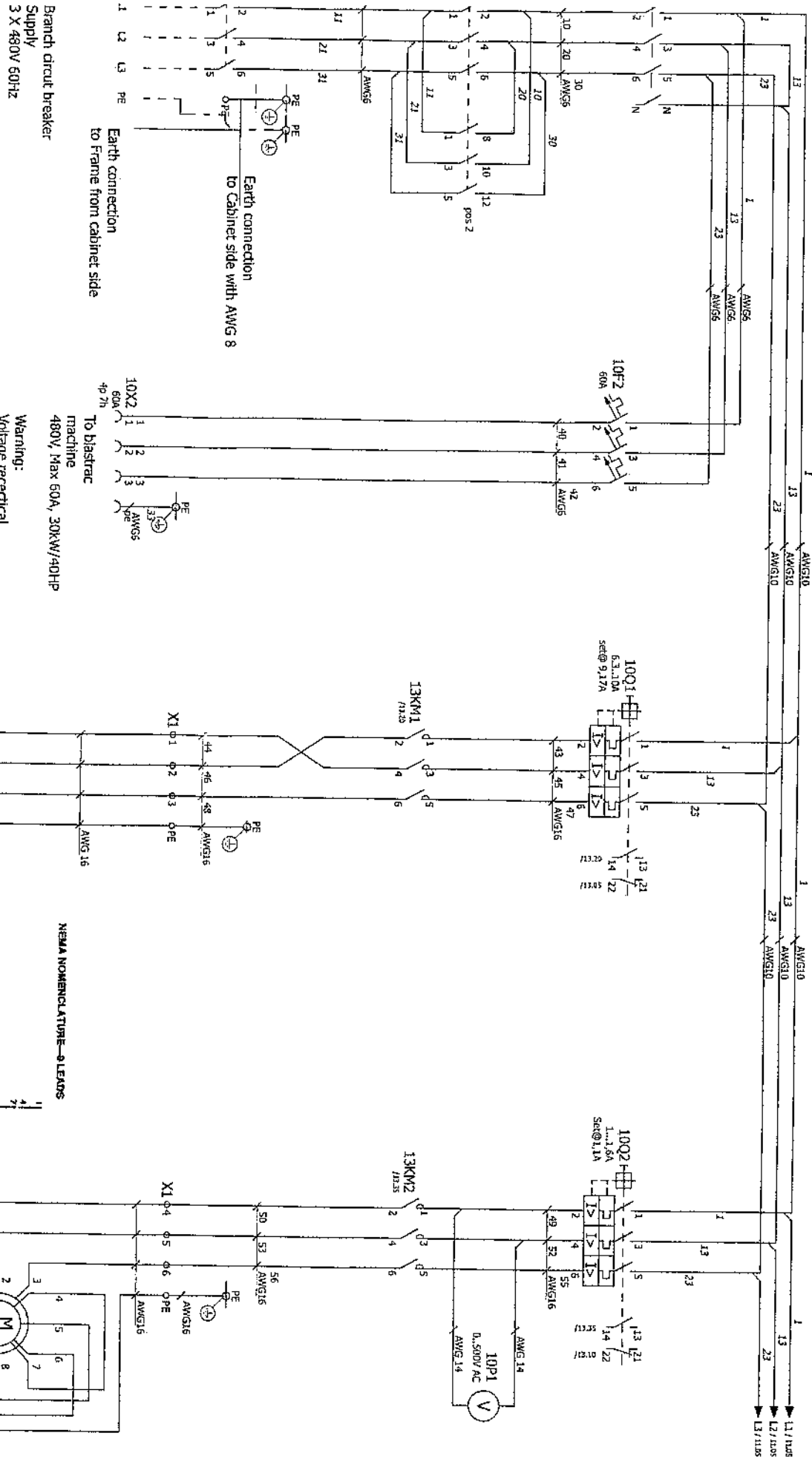


(*) With cable
M16 - Pulse system 3x0.75mm² length 3.0 mtr.
M20 - Compressor
M32 - Fan
M50 - Power supply

TO FAN MOTOR
TERMINALS



M6 Ground Wire for connection to machine frame
AWG6 Green/yellow
Connect to inside cabinet wall



Warning:
Voltage recedical
is same as supply Voltage!!!!

To blastrac
machine
480V, Max 60A, 30kW/40HP

Earth connection
to Frame from cabinet side

Earth connection
to Cabinet side with AWS 8

NEMA NOMENCLATURE-9 LEADS

DUAL VOLTAGE WIRE CONNECTED		3~		400V	
VOLTAGE	1	2	3	4	5
480V	1	2	3	4	5
208V	1	2	3	4	5

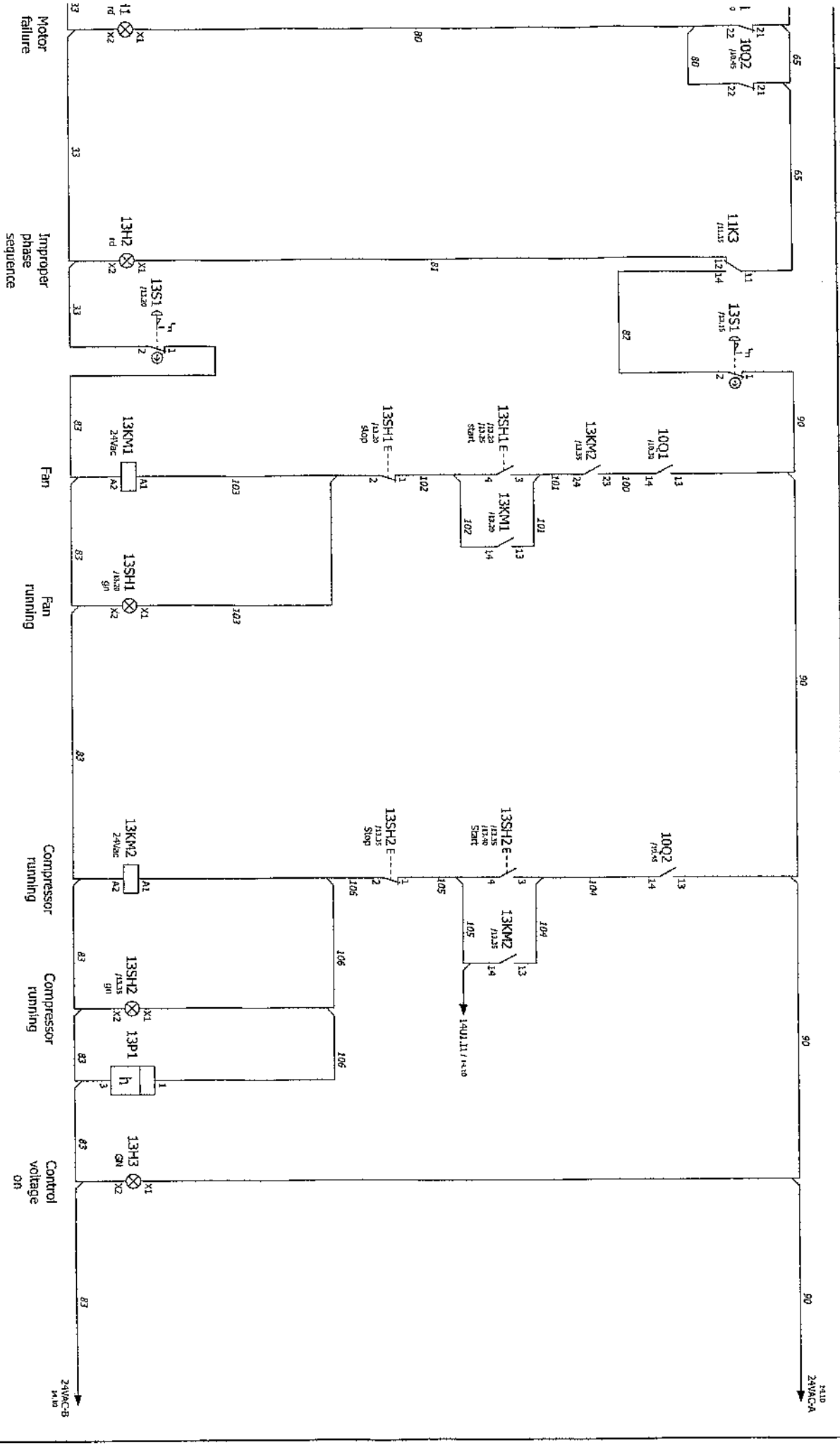
Compressor 0.5kW/0.75HP
1.1A@480V



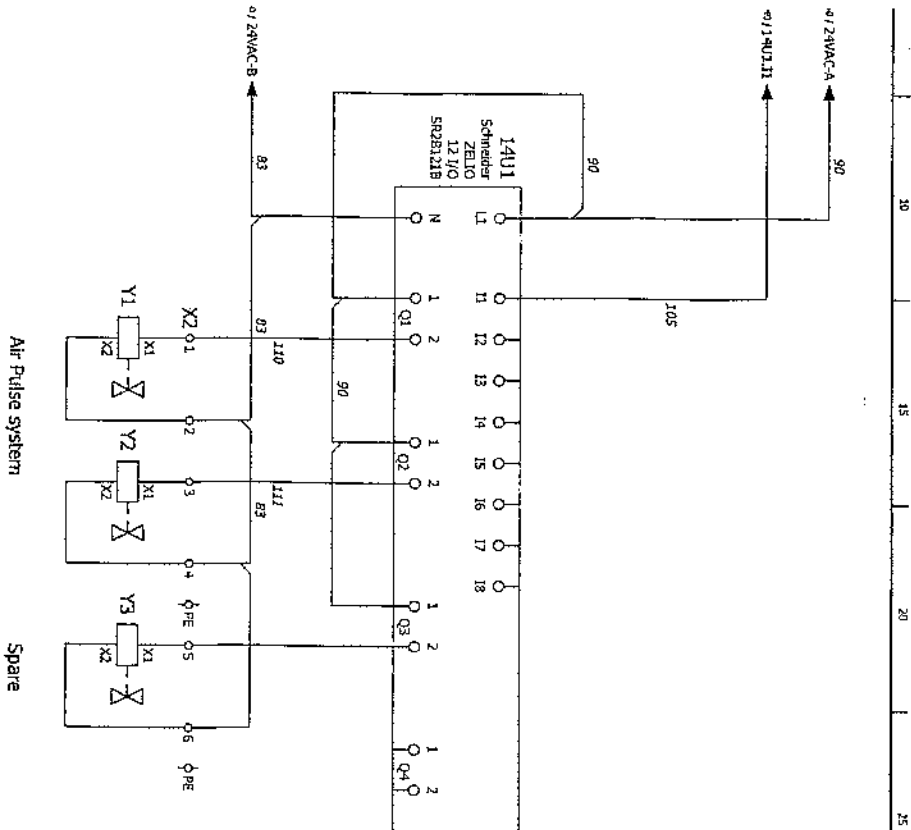
C.C.W.

Project name		654 BDC 3X480V TRUBRAND	
Date	29-10-2015	Project location	
By	KR	Main Contractor	
Appr		Scale	
Drawn	23-11-2015	TRUBRAND	
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Date	Name	Date	Name	Project Name:	Project Description:	Unit:	Page
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		23-11-2015					



- I1 = start signal
- I2, I3, I4 = spare start signal
- I5 = Timer setting (when not connected than in UL mode)
- I6 = Spare timer setting
- I7 = 2 pulses for 2 valves system (when not connected 3 valves system)
- I8 = spare pulse setting

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		Edt	KR								
		Appr									
		Last print	23-11-2015								
MS									Working current	PJ15.1185.00.1	14

terminal diagram

Strip =E1+-X2									
Cable name					Cable name				
cable type					cable type				
Connection point					Connection point				
Target designation					Target designation				
Jumper					Jumper				
terminal					terminal				
Connection point					Connection point				
Target designation					Target designation				
cable type					cable type				
function text					function text				

Modification	Date	Name	
			Date 23-11-2015
			Ed. HVOB
			Appr.
			Last print: 23-11-2015

654 BDC 3X480V TRUBRAND



Parts list

Kauf:
TRUBRAND

Trading partner: PJ15.1185.00.1

device tag	Quantity	designation	Type number	Brand
	1	Fasomleerschaakelaar 6P 100A, bodem montage onleesbaar UL 489	19-E-A100-2753	Allen Bradley
	1	Bed. draaibeh. gelykz. voot 194-E (64*64) UL489	19-A-ME64-375	Allen Bradley
	1	Wahlver UL receptaal CEE type 480V	564-19	Wahlver
	1	Circuit breaker AB 3P 2A D-ker UL 489 480/277V	C60N-1489-M3P020	Allen Bradley
	1	Circuit breaker AB 3P 6A C-ker	C60N-1482-SM1C060	Allen Bradley
	1	3-phase monitoring relays	D7V-01 C1M44	Cardi Savazzi
	1	Transformer Stas 315VA-480V 550, 208V/24V UL/CSA	SIEM 44M43-2-80V00-QE40	Siemens
	1	Red complete pilot light 022 plain lens with integral LED 24	28Z-35	Schneider Electric
	1	Legend holder 30 x 50 mm for legend 18 x 27 mm unmarked	28Z-35	Schneider Electric
	1	Legend holder 30 x 50 mm for legend 18 x 27 mm unmarked	28Z-35	Schneider Electric
	1	Legend holder 30 x 50 mm for legend 18 x 27 mm unmarked	28Z-35	Schneider Electric
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	1	Legend holder 30 x 50 mm for legend 18 x 27 mm unmarked	28Z-35	Schneider Electric
	1	Relais 110V	100-C230J10	Allen Bradley
	1	Hourly contact NO/NC	100-FC11	Allen Bradley
	1	Hour counter rail mount 489 24V/50Hz	E233-24/60H2	ABB
	1	Red 040 Emergency switching off pushbutton head 022 latching	28B-82B4	Schneider Electric
	1	Body for control button - Ø 22 - 2NC	28B-82B4	Schneider Electric
	1	Marked legend Ø60 for emergency stop - EMERGENCY STOP/logo 1	28B-9330	Schneider Electric
	1	Green light block with body/fining color integral LED 24V	28B-AV03	Schneider Electric
	1	Green flush/rod flush illuminated double-headed pushbutton Ø	28B-AV7A3741	Schneider Electric
	1	Transparent box for rectangular multiple-headed pushbutton Ø	28B-710	Schneider Electric
	1	Single contact block for head 022 1NC screw clamp terminal	28B-102	Schneider Electric
	1	Green light block with body/fining color integral LED 24V	28B-AV03	Schneider Electric
	1	Green flush/rod flush illuminated double-headed pushbutton Ø	28B-710	Schneider Electric
	1	Transparent box for rectangular multiple-headed pushbutton Ø	28B-102	Schneider Electric
	1	Single contact block for head 022 1NC screw clamp terminal	28B-102	Schneider Electric
	1	Single contact block for head 022 1NC screw clamp terminal	28B-102	Schneider Electric
	1	Compact smart relay Zelio Logic - 11 I/O - 24 V AC - clock -	SR2B1218	Schneider Electric
	1	Memory cartridge - for smart relay Zelio Logic firmware - 16	SR2B1218	Schneider Electric