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EL - DOKUMENTATION

Customer:

Projekt: FlexVander VX90 Encore P1

Location:

Project Nr:101048

Project start:13-05-2016

PROGRAM 1

Index	Pos.	Titel	Last Change	Page Nr.	Pos.	Titel	Last Change	Page Nr.
		1	Technical dokumentation	03-08-2015 12:34:20	D1	2	Reference designations	27-11-2012 10:28:10
	3	PLC Supply	13-05-2016 11:23:48	100-230Vac 1	4	PLC Supply	13-05-2016 11:23:38	100-230VDC 2
	5	PLC Supply	13-05-2016 11:26:34	8-36VDC	6	Input	13-05-2016 11:33:04	100
	7	Output	03-08-2015 12:37:06	200	8	Forbindelsesdiagram	13-05-2016 11:33:38	VX90 In P1
	9	Forbindelsesdiagram	13-05-2016 11:26:30	VX90 Out P1	10	Piece list	13-05-2016 11:34:04	1550
	11				12			
	13				14			
	15				16			
	17				18			
	19				20			
	21				22			
	23				24			
	25				26			
	27				28			
	29				30			
	31				32			
	33				34			
	35				36			
	37				38			
	39				40			
	41				42			
	43				44			
	45				46			
	47				48			
	49				50			
	51				52			
	53				54			
	55				56			

Construction Standard: EN60204-1

Documentation: EN61082 - EN81346

Rated Operating Voltage: The main circuit Ue: 3 x 230/400 VAC operation range +6% -10%
 Control circuit Ue: 230 VAC operation range +6% -10%
 Control circuit Ue: 24 VDC operation range +6% -10%

Isolation Voltage: The main circuit Ui 400V, Control circuit Ui 230V

Short circuit detail: Rated short-circuit current: Max. Icc 6 KA

Frequency:	50 Hz
Rated Current:	1 Amp
Max Supply Fuses:	10 Amp
System Earthing:	TN-S/TT
Ambient Temperature:	Max 40 C° Min -25 C°
Protection class:	
Main Cabinet:	IP: 65
Emc-Environment:	A

Cord Colours

Main circuit:

L1, L2, L3: **Black**
 N: **Light Blue**

Control circuit:

230V / 24V AC

L: **Red**
 0V: **Red / White**

24V DC

+24V: **Dark Blue**
 0V: **Dark Blue / White**

External Control Voltage: **Orange**

Emergency Stop Circuit: **Purple**

Protection Wire: **Yellow / Green**

Component Numbering

The components are numbered sequentially.

Control Components: **-1 - 99**
 Eg. Sensors (Inputs): **-100 - 199**
 Eg. Valves (Outputs): **-200 - 299**
 Motor Starter: **-300 - 499**
 Safety Components: **-500 - 599**
 PLC Components: **-600 - 699**

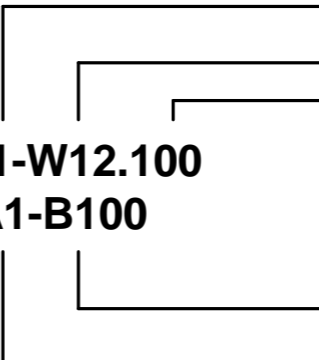
Wire Numbering

The wires in the cabinet are numbered by page number.
 And - sequentially

Fx: 100-01 Page 100 . Wire Number 1
 Fx: 200-05 Page 200 . Wire Number 5

Cable Numbering

Cable numbers are designed following a model

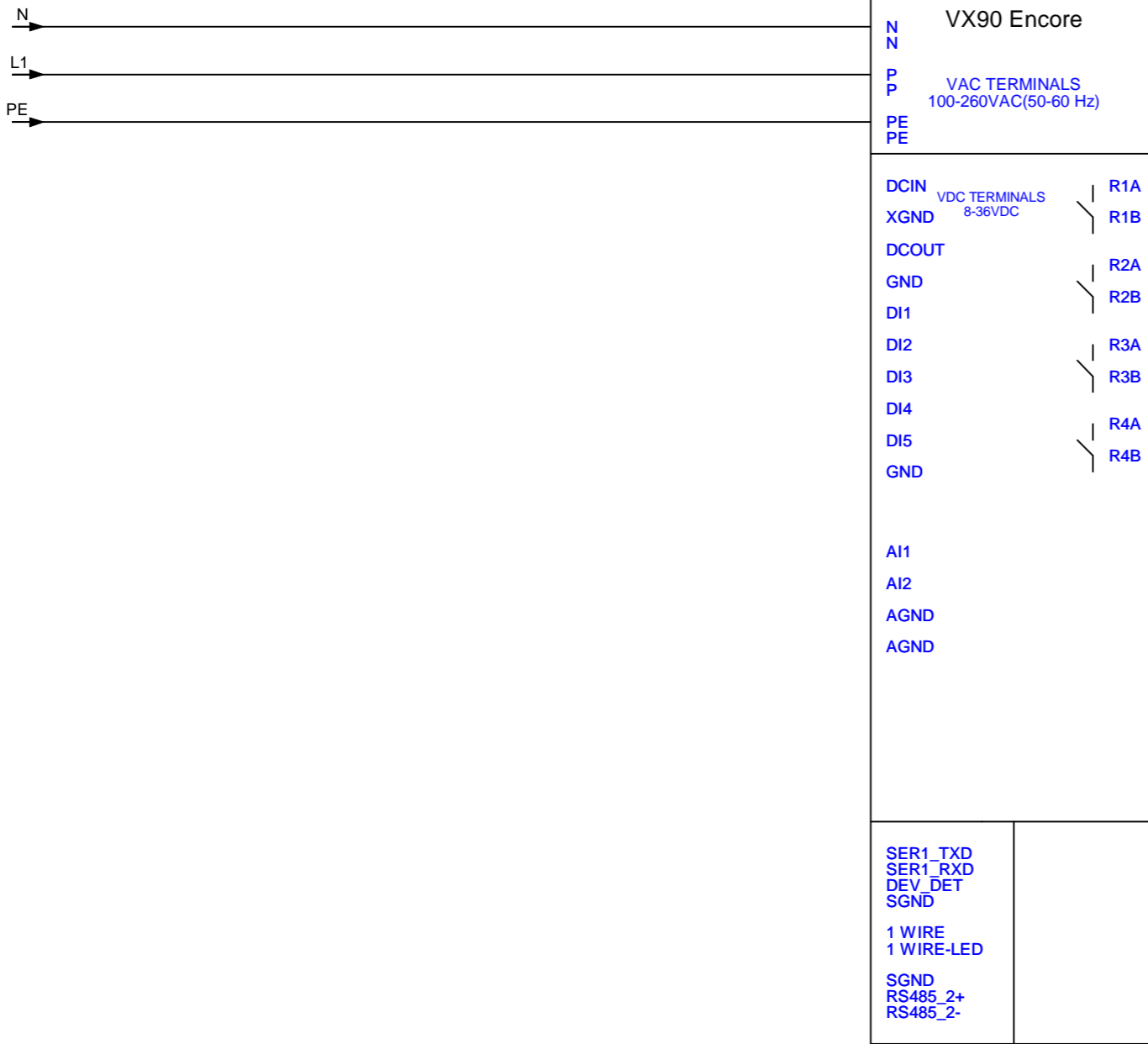
From  **Cabinet +A1**
Terminal Blok Number. -X12
Terminal Number 100
 Fx: **+A1-W12.100**
+A1-B100
 To **Component Number**
Cabinet +A1

PLC Supply

METODE 1

Forsynes fra eksisterende
tavle.
Max forsikring 10A

Eksempel på installation
af VX90 Encore, 230 VAC



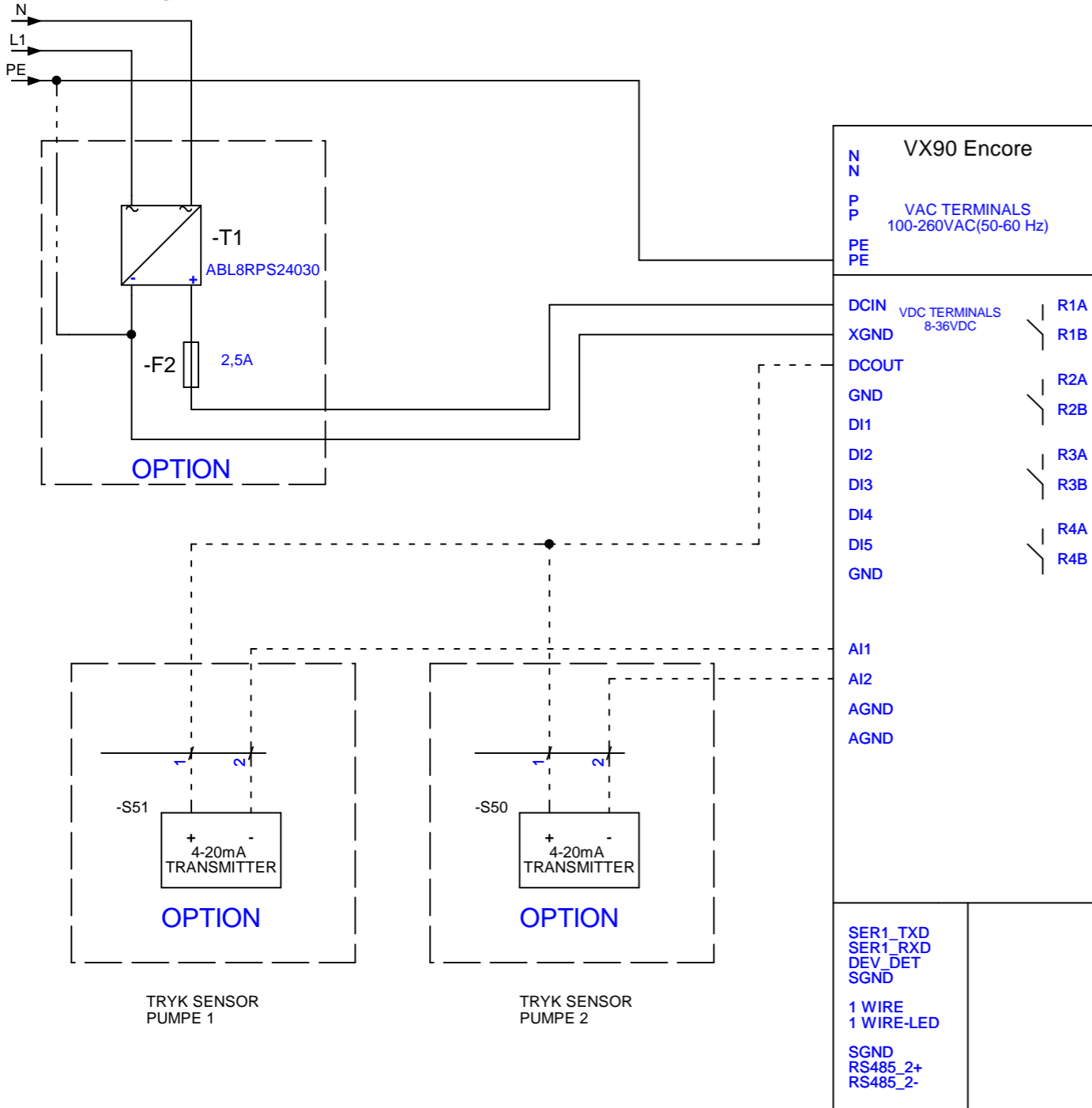
Jumper flyttes så indstilling
passer med tegningen.

JUMPER SETTINGS ANALOG I AND DI1-4							
JUMPER	JPAI1	JPAI2		JPDI1	JPDI2	JPDI3	JPDI4
I/O	AIN1	AIN2		DI1	DI2	DI3	DI4
VOLTAGE	<input type="checkbox"/>	<input type="checkbox"/>	PNP INPUT	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N
CURRENT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S0 INPUT	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> S

PLC Supply

METODE 2

Forsynes fra eksisterende
tavle.
Max forsikring 10A



Eksempel på installation
af VX90 Encore, hvis der ikke
findes 24VDC i den
eksisterende tavle.

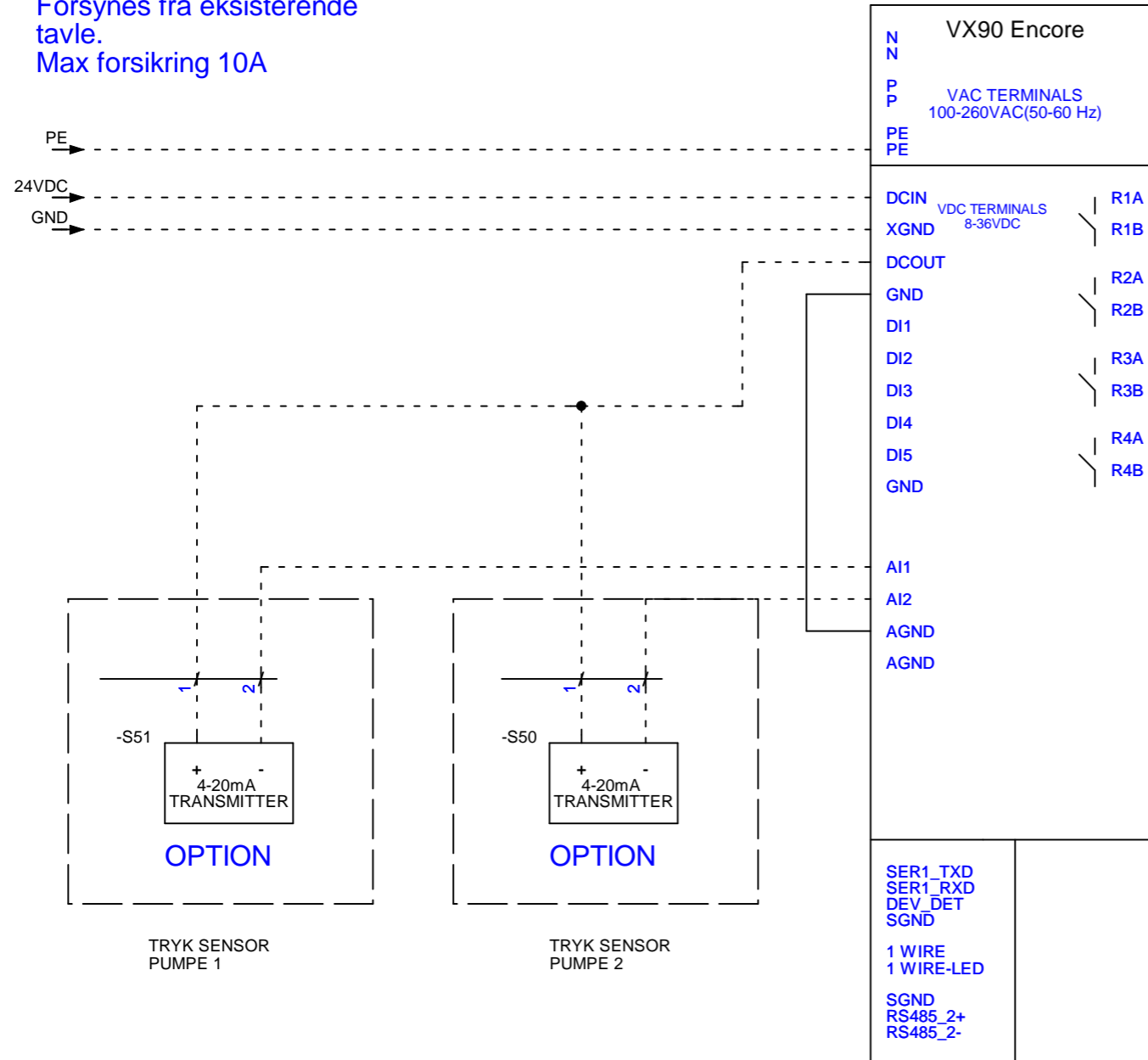
Jumper flyttes så indstilling
passer med tegningen.

JUMPER SETTINGS ANALOG I AND DI1-4							
JUMPER	JPAI1	JPAI2		JPDI1	JPDI2	JPDI3	JPDI4
I/O	AIN1	AIN2		DI1	DI2	DI3	DI4
VOLTAGE	<input type="checkbox"/>	<input type="checkbox"/>	PNP INPUT	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N
CURRENT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S0 INPUT	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> S

METODE 3

Eksempel på installation af VX90 Encore, 24VDC

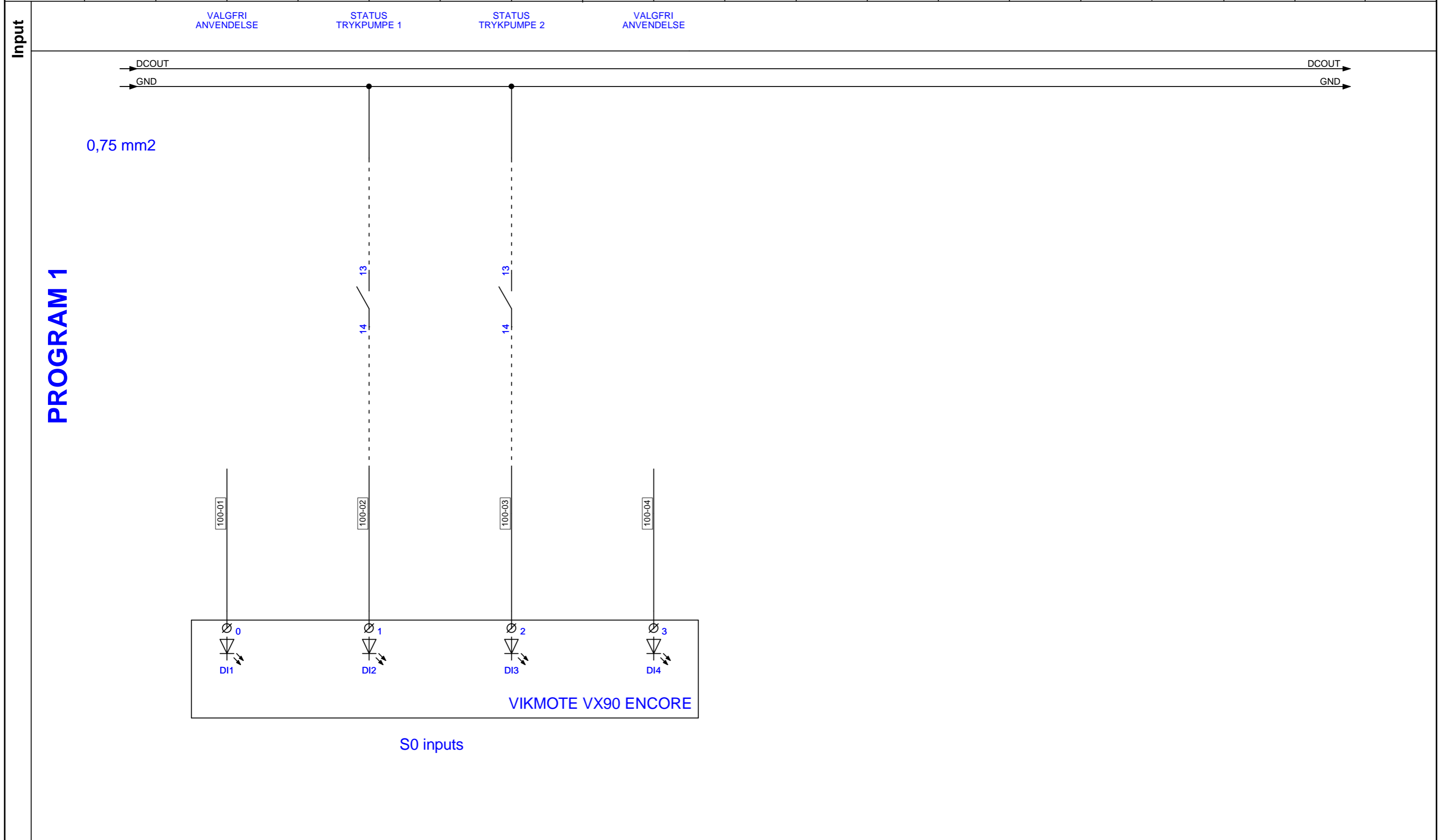
Forsynes fra eksisterende tavle.
Max forsikring 10A



Jumper flyttes så indstilling passer med tegningen.

JUMPER SETTINGS ANALOG I AND DI1-4							
JUMPER	JPAI1	JPAI2		JPDI1	JPDI2	JPDI3	JPDI4
I/O	AIN1	AIN2		DI1	DI2	DI3	DI4
VOLTAGE	<input type="checkbox"/>	<input type="checkbox"/>	PNP INPUT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CURRENT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S0 INPUT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

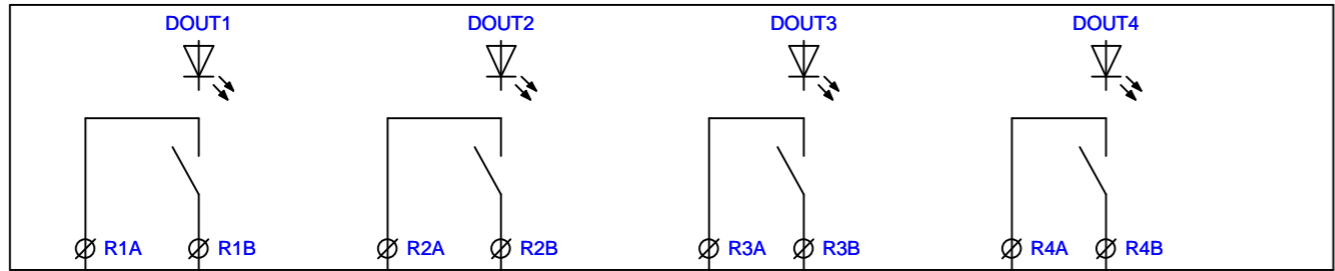
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Output

VIKMOTE VX90 ENCORE

0,75 mm2



PROGRAM 1

PULS

PULS

PULS

PULS

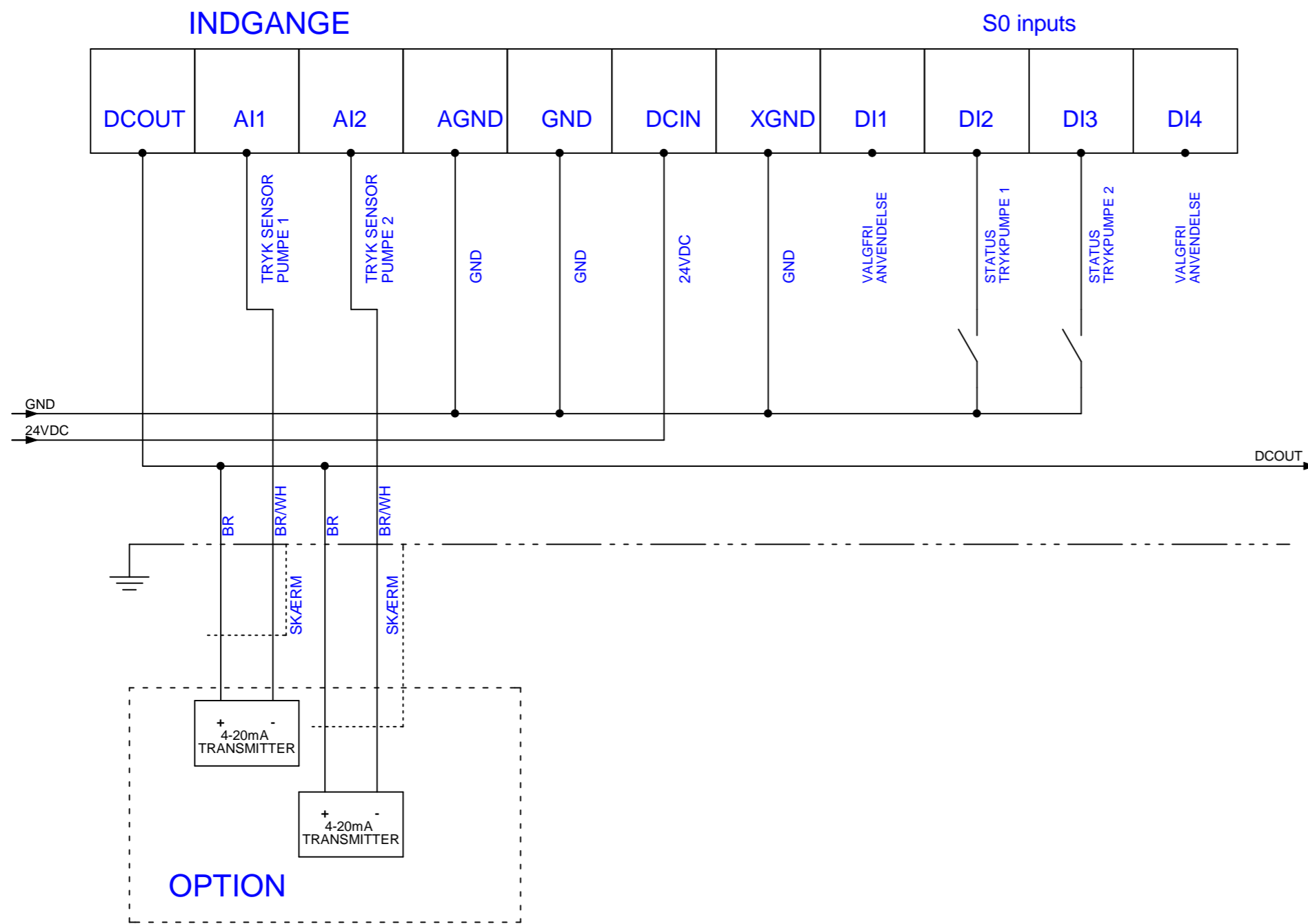
START TRYKPUMPE1

START TRYKPUMPE 2

STOP TRYKPUMPE 1

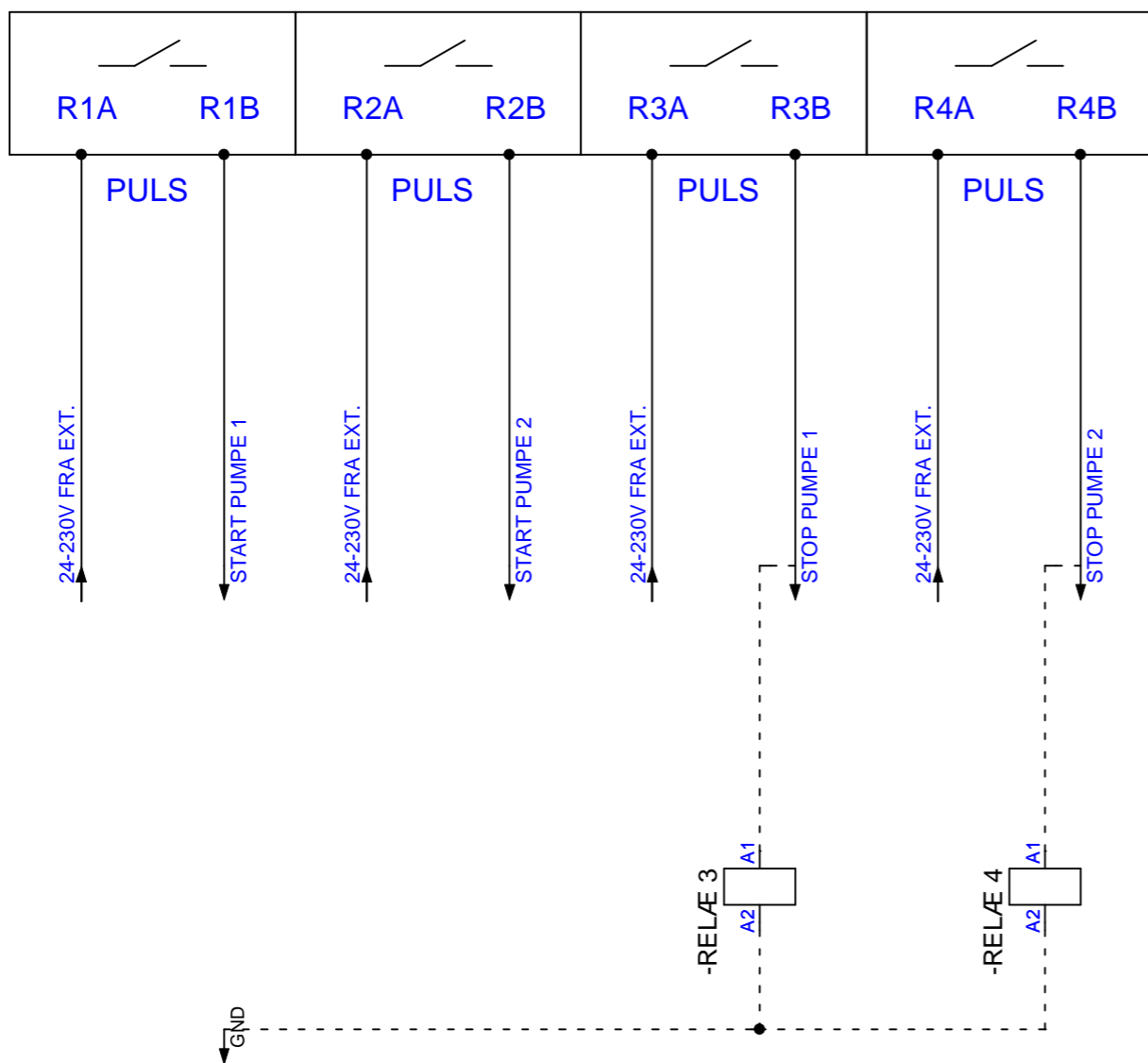
STOP TRYKPUMPE 2

PROGRAM 1

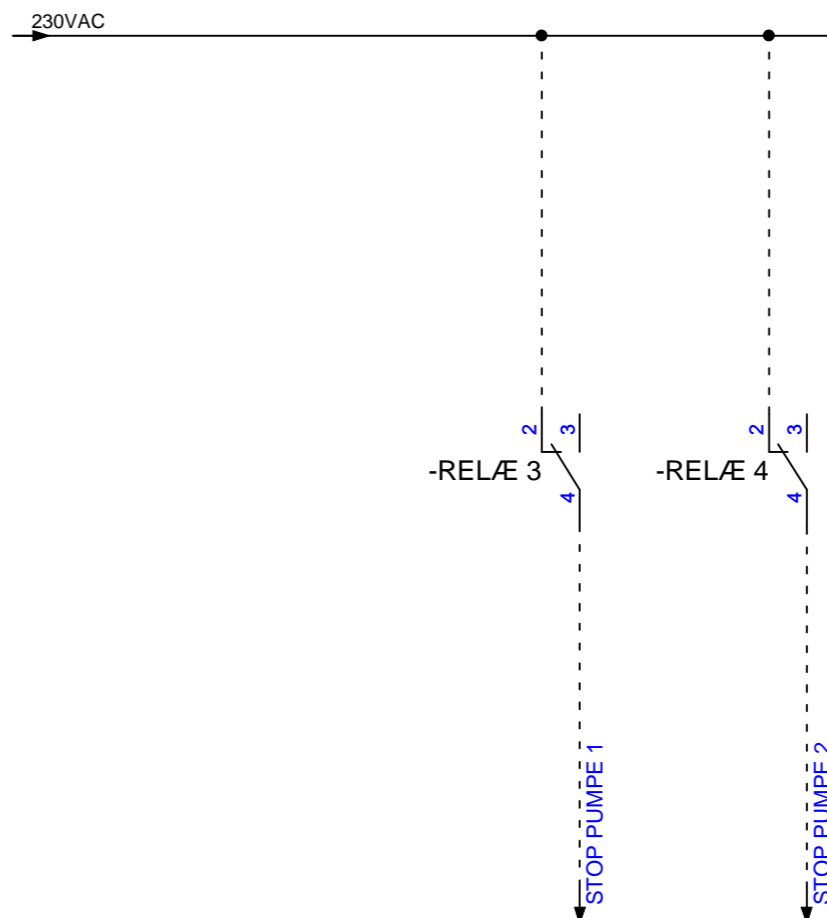


PROGRAM 1

UDGANGE



Eksempel hvis der ønskes NC udgang i stedet for NO, skal der monteres et eller 2 relæer.
Alternativt kan udgange i Vikmote ændres til NC.



Eksempel hvis der ønskes NC funktion for stop pumpe.
Monteres som vist ved RELÆ 3+4
Alternativt kan udgange i Vikmote ændres til NC.

Piece list	Pos.	EAN no.	Type	Description	Manufacture	Quantity
	1					28
	2		ABL8RPS24030			1
	3	4008190297688	WSI 6 10 36V 101223	Sikringsklemme skrue/skrue10-36V DC/AC	Weidmüller	1
	4	4023146000013	2X0,5MM² OZ	Cable OZ 2X0,5MM²		-