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EL - DOKUMENTATION

Customer:

Projekt: FlexVander VX90 Encore P2

Location:

Project Nr:101048

Project start:13-05-2016

PROGRAM 2

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	11				12			
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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**

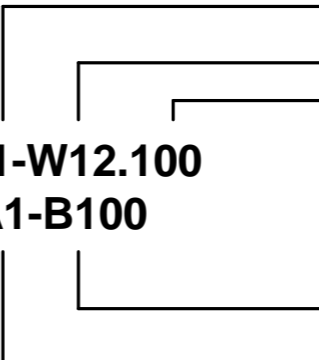
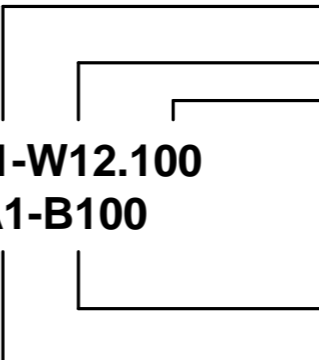
Wire Numbering

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

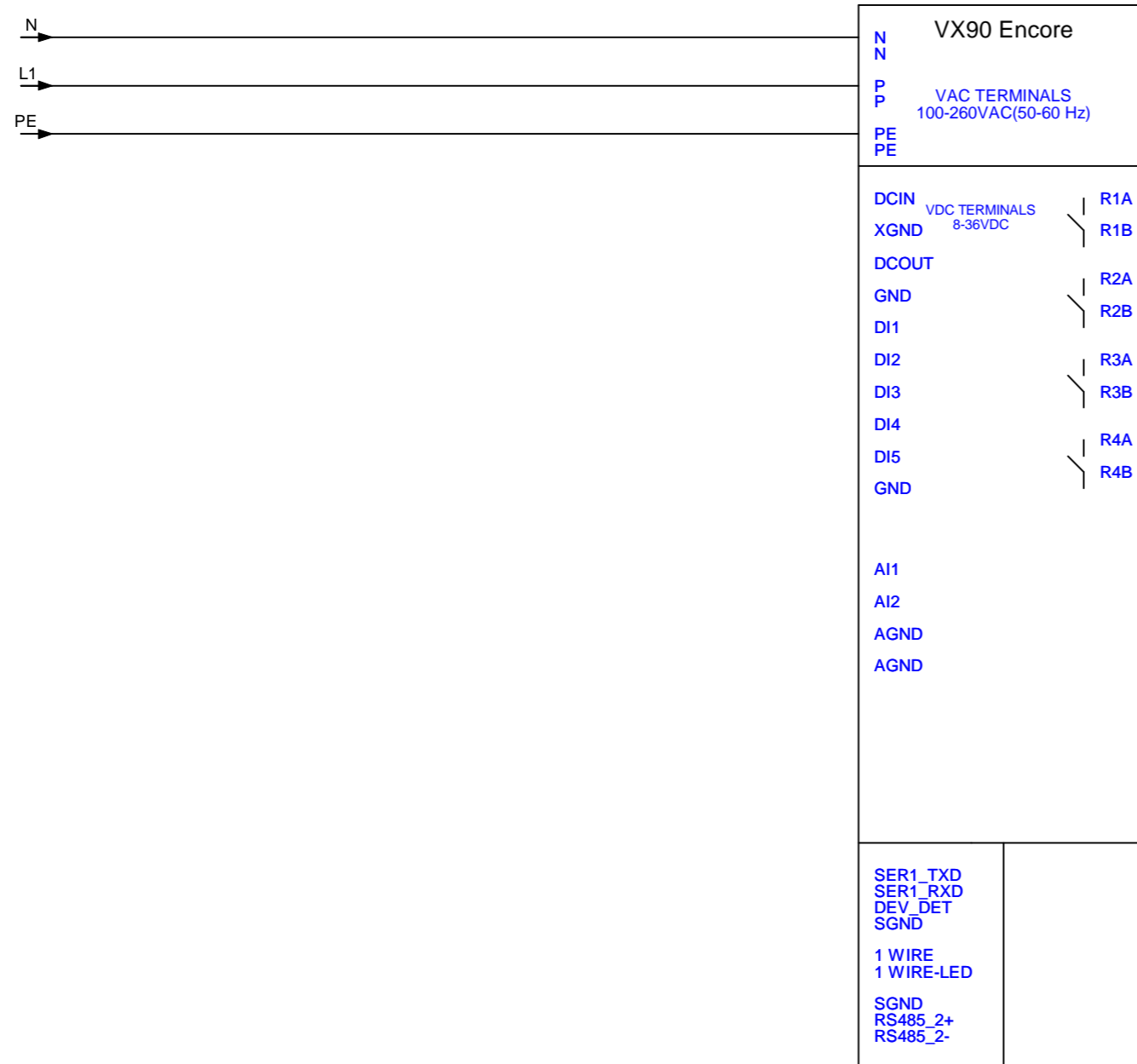
From  **Cabinet +A1**
Terminal Blok Number. -X12
Terminal Number 100
Fx: **+A1-W12.100**
+A1-B100
To  **Component Number**
Cabinet +A1

PLC Supply

METODE 1

Forsynes fra eksisterende
tavle.
Max forsikring 10A

Eksempel på installation af VX90 Encore, 230 VAC



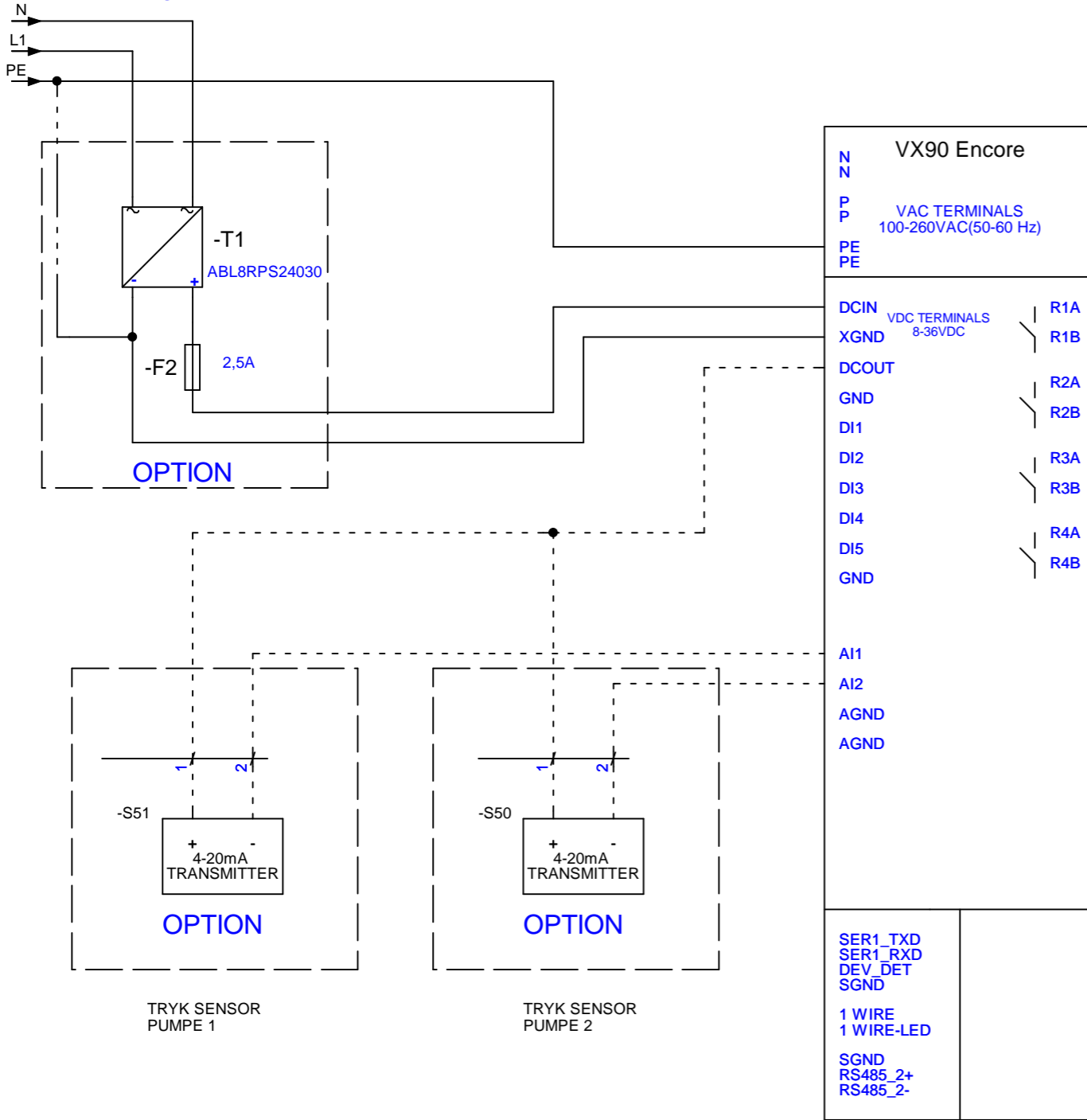
Jumper flyttes så indstilling
passer med tegningen.

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.

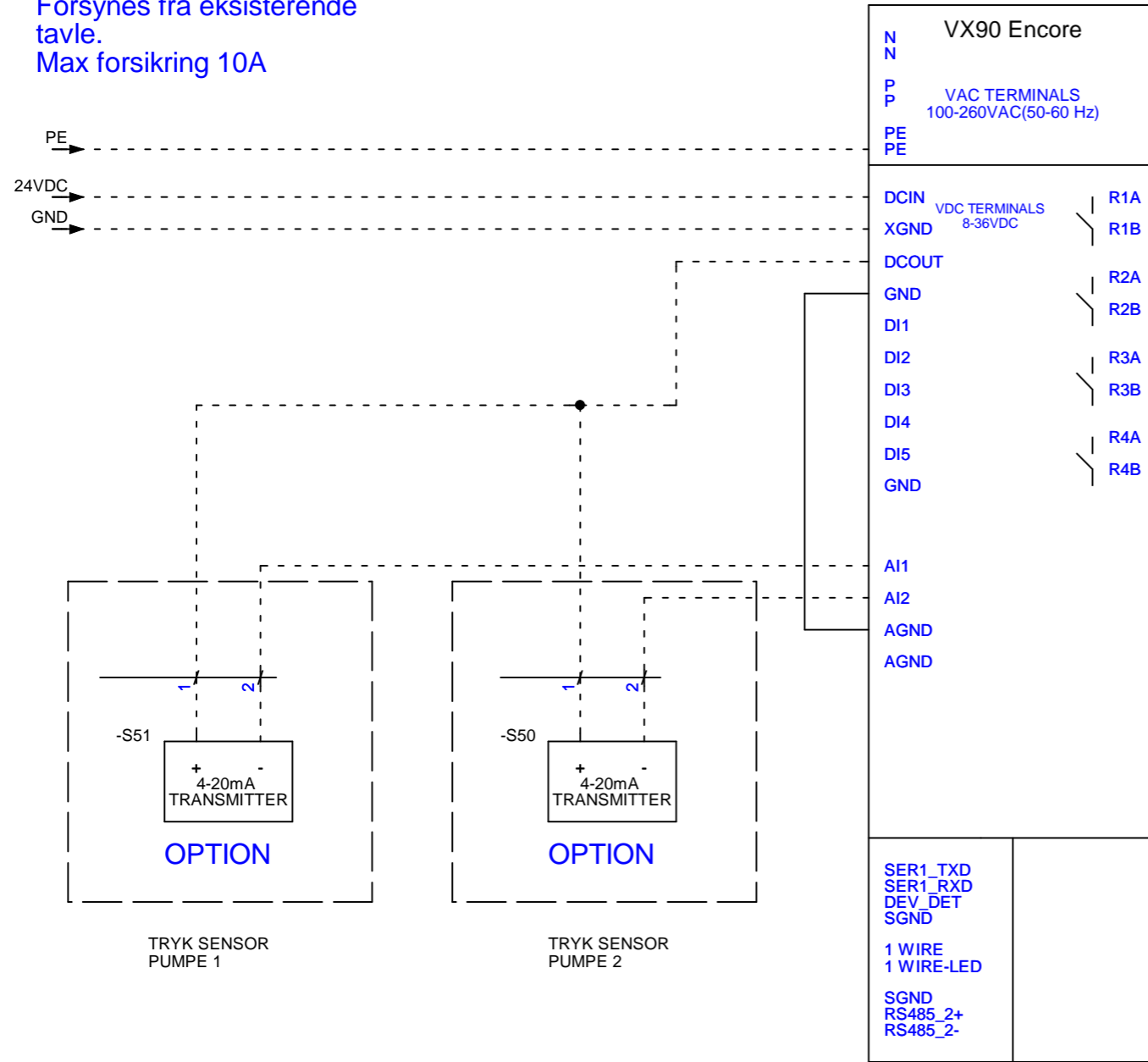
Jumper flyttes så indstilling
passer med tegningen.

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"/>	<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"/>

METODE 3

Eksempel på installation af VX90 Encore, 24VDC

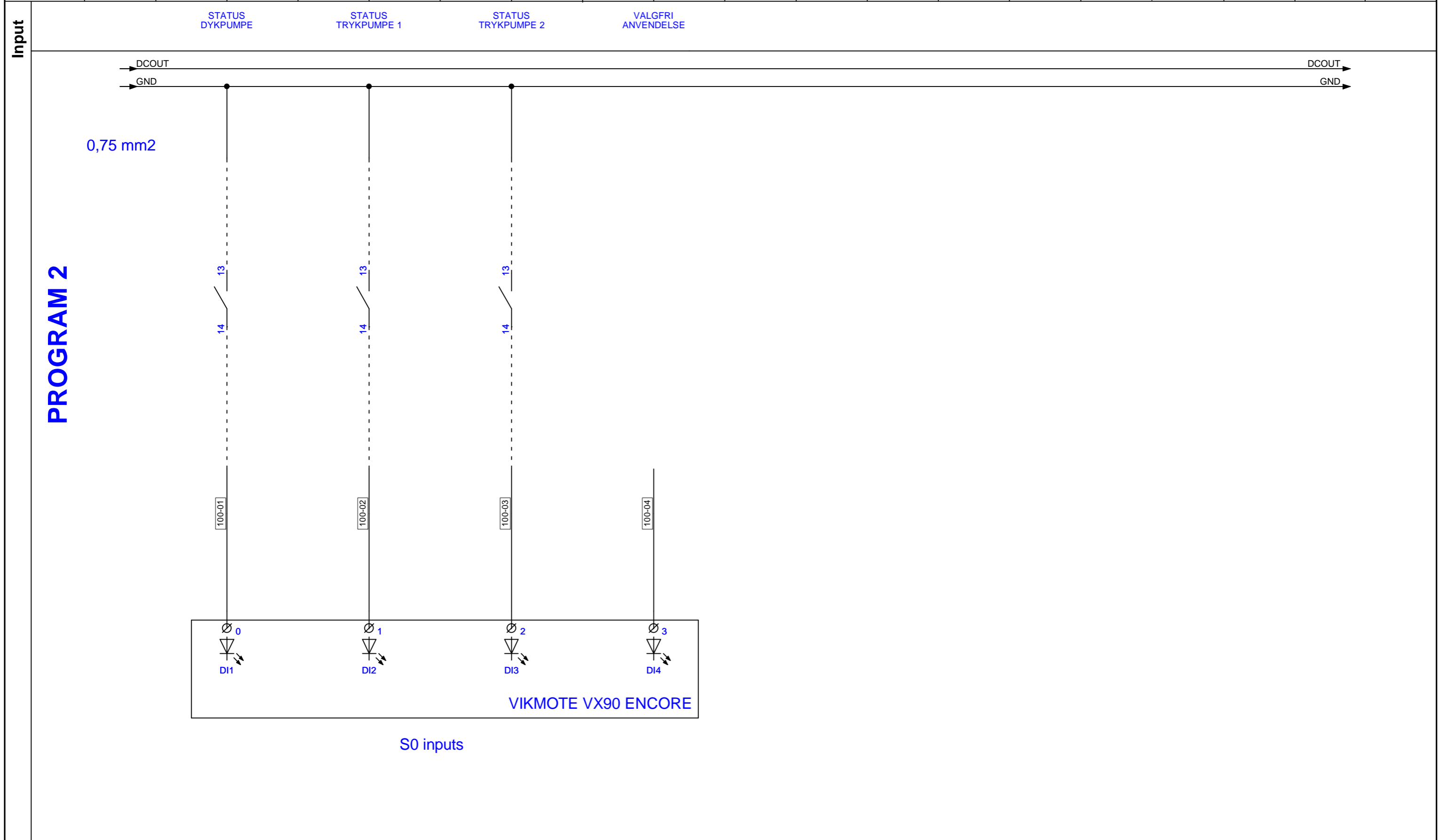
Forsynes fra eksisterende tavle.
Max forsikring 10A



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"/>

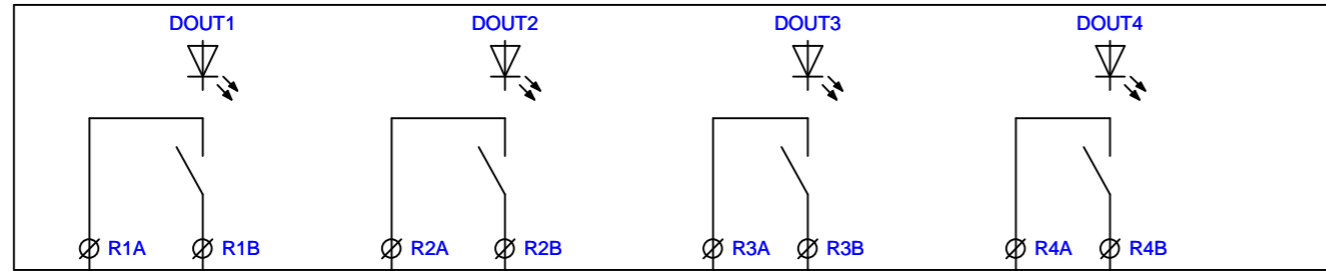
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Output

VIKMOTE VX90 ENCORE

0,75 mm²



PROGRAM 2

PULS

PULS

PULS

PULS

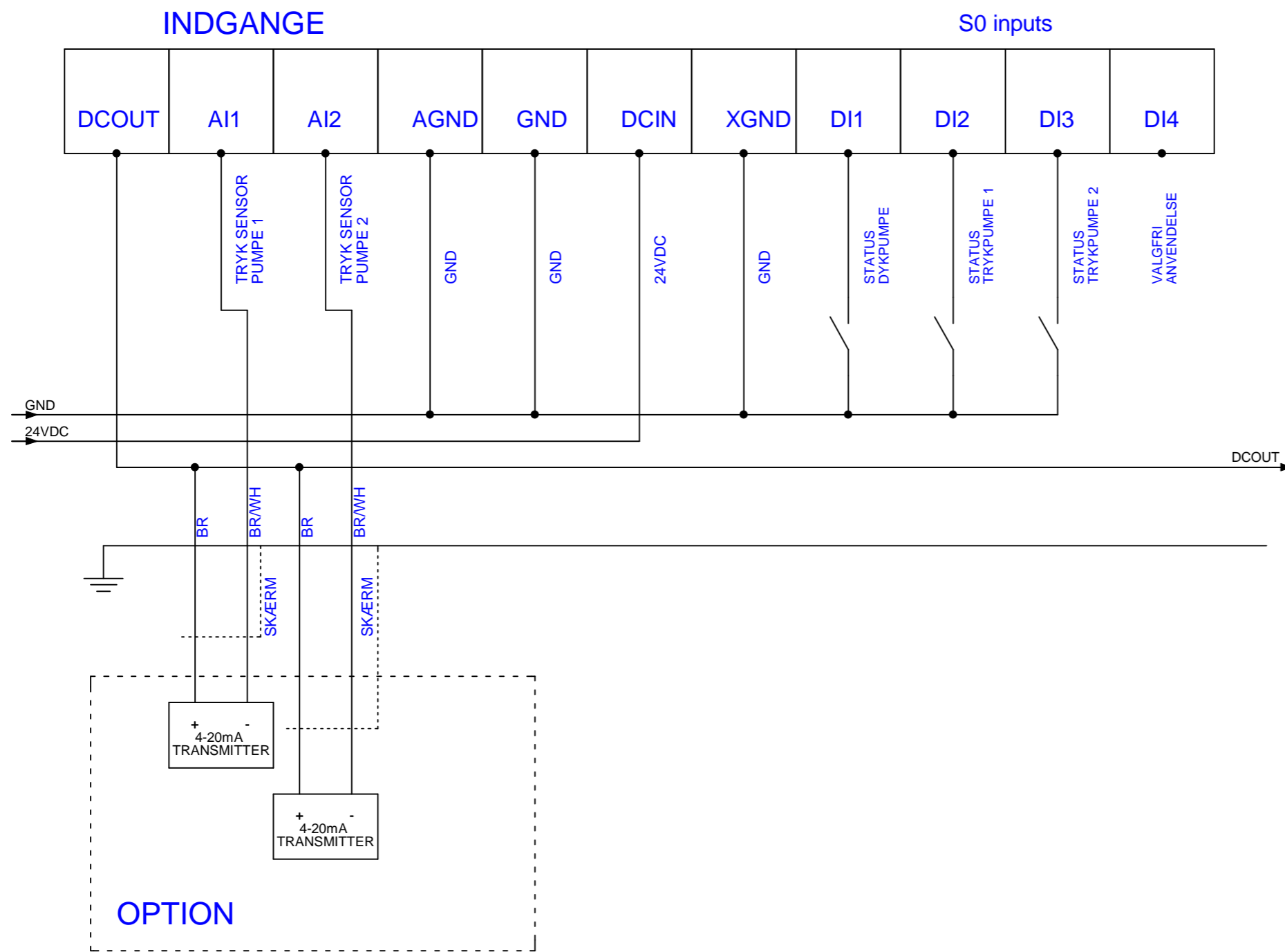
START DYKPUMPE

START TRYKPUMPE 1

START TRYKPUMPE 1

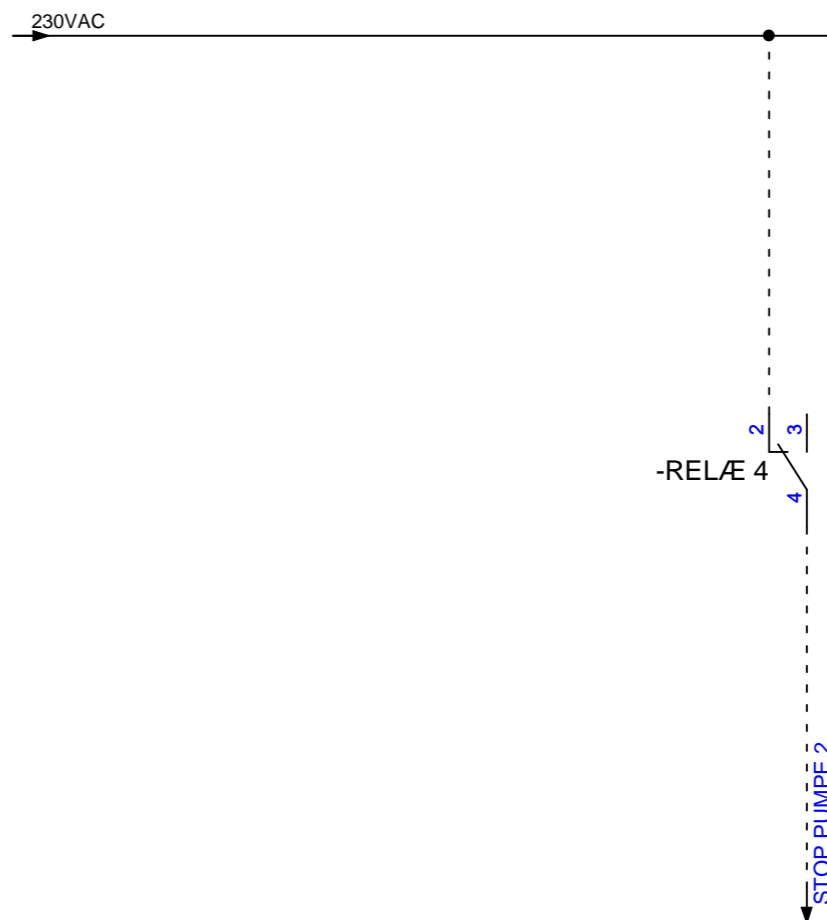
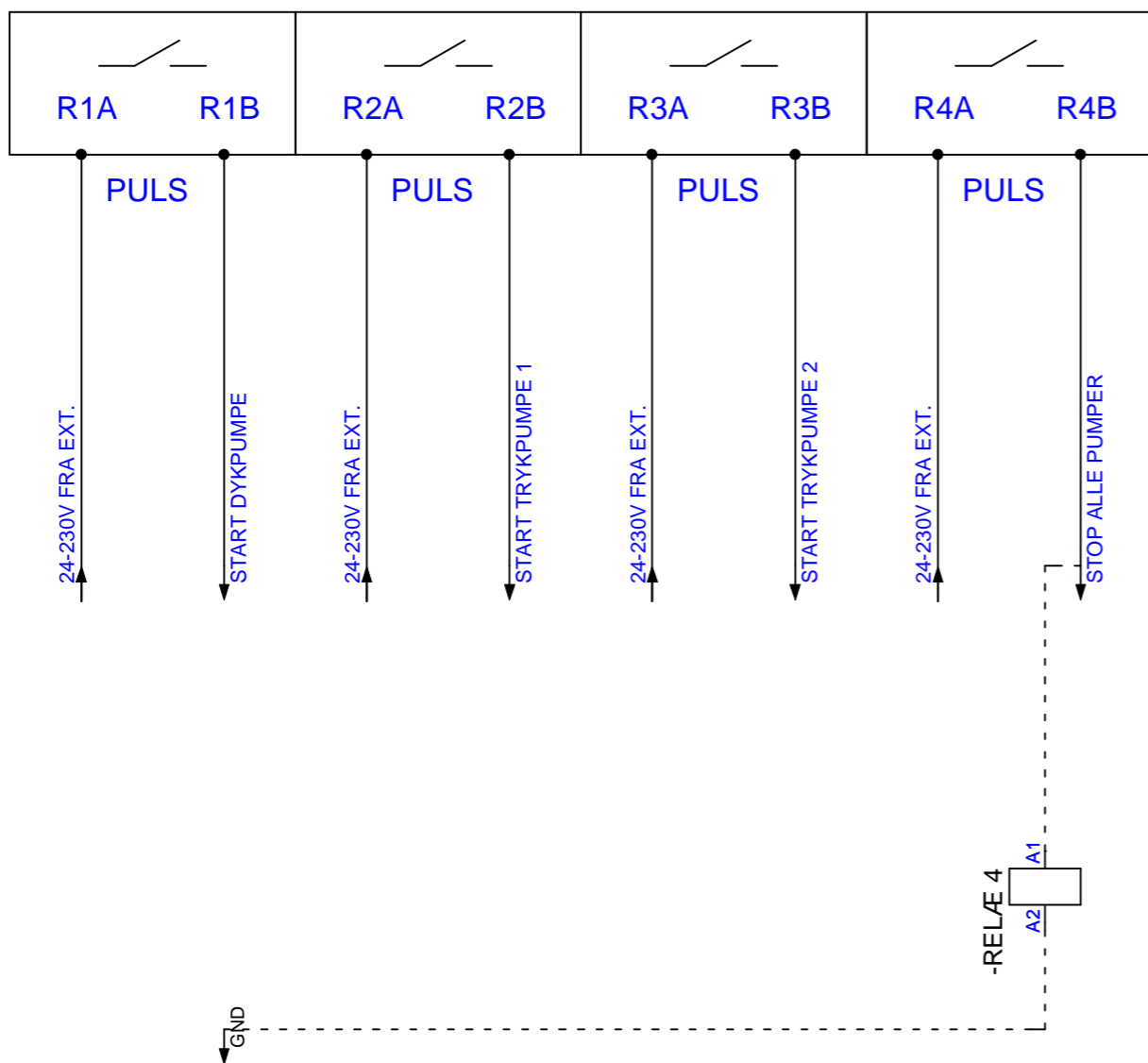
STOP ALLE

PROGRAM 2



PROGRAM 2

UDGANGE



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

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

