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EL - DOKUMENTATION

Customer:

Projekt: FlexVander VX40 P1

Location:

Project Nr:101048

Project start:28-05-2015

PROGRAM 1

Index

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Technical dokumantation

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: 20**

Emc-Environment: **A**

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

Reference designations

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 Circut:	**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**

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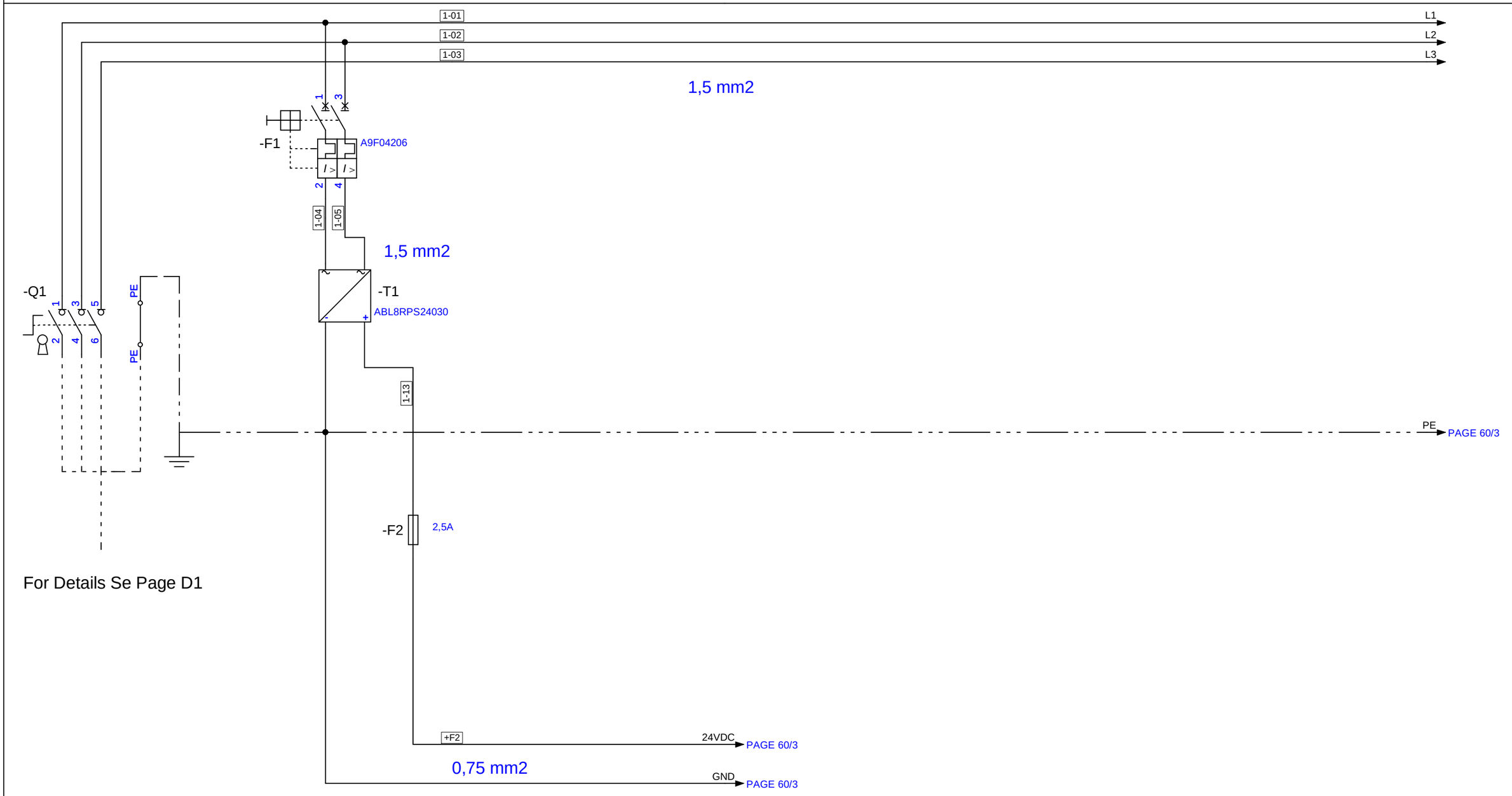
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Main power



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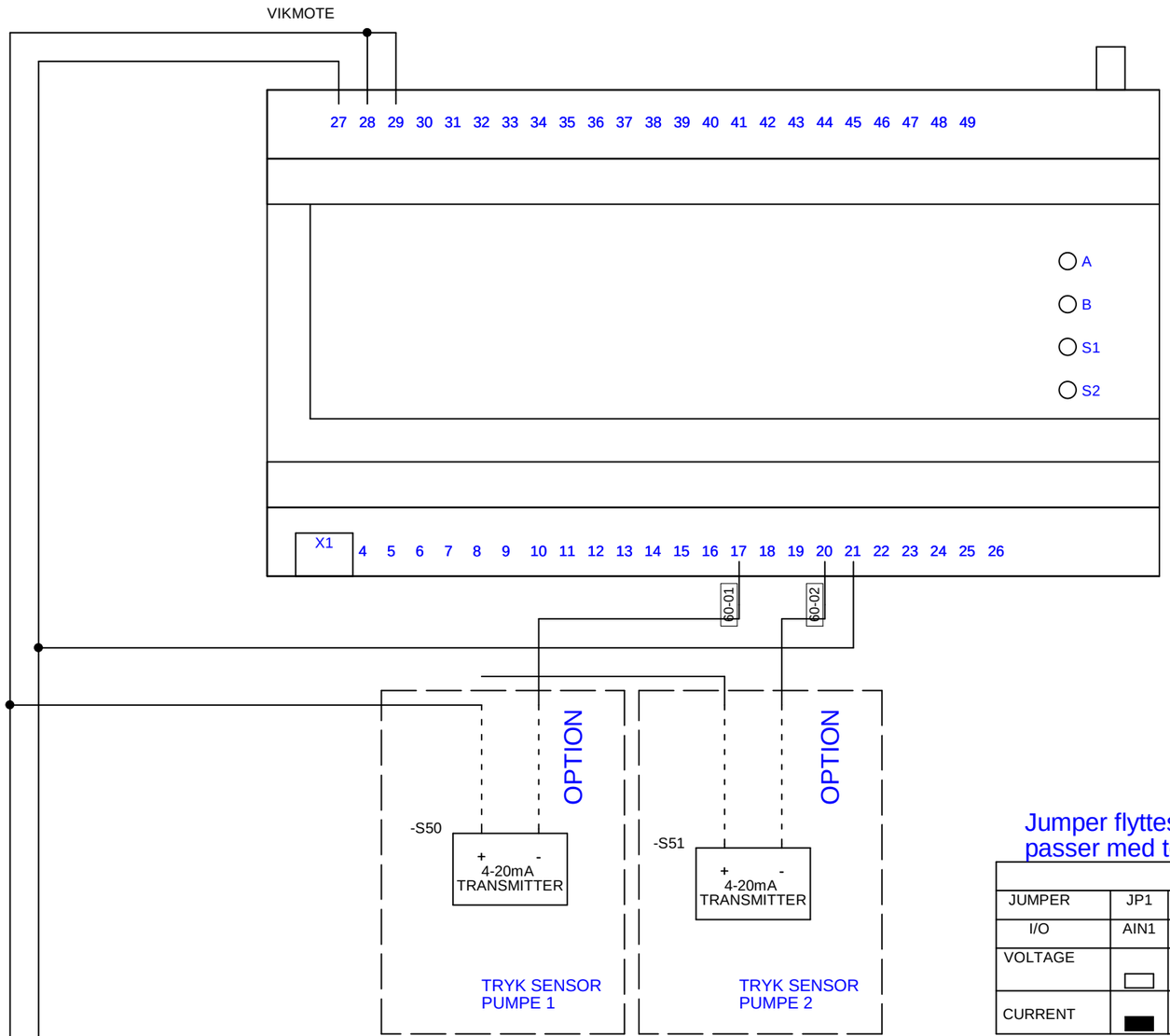
PLC Supply



0,75 mm2

Jumper flyttes så indstilling
passer med tegningen.

JUMPER SETTINGS ANALOG I/O AND DI1-4													
JUMPER	JP1	JP14	JP16	JP17	JP2	JP3	JP4	JP6		JP8	JP9	JP10	JP11
I/O	AIN1	AIN2	AIN3	AIN4	AOUT1	AOUT2	AOUT3	AOUT4		DI1	DI2	DI3	DI4
VOLTAGE	▭	▭	▭	▭	1 2 3 ▼▼▼ ▬	1 2 3 ▼▼▼ ▬	1 2 3 ▼▼▼ ▬	1 2 3 ▼▼▼ ▬	PNP INPUT	1 2 3 ▼▼▼	1 2 3 ▼▼▼	1 2 3 ▼▼▼	1 2 3 ▼▼▼
CURRENT	▬	▬	▭	▭	1 2 3 ▼▼▼	1 2 3 ▼▼▼	1 2 3 ▼▼▼	1 2 3 ▼▼▼	S0 INPUT	1 2 3 ▼▼▼ ▬	1 2 3 ▼▼▼ ▬	1 2 3 ▼▼▼ ▬	1 2 3 ▼▼▼ ▬

PAGE 1/10 — 24VDC — +F2 — 24VDC — PAGE 100/2
PAGE 1/10 — GND — GND — PAGE 100/2
PAGE 1/19 — PE — PE

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

Input

STATUS TRYKPUMPE 1 | STATUS TRYKPUMPE 2 | VALGFRI ANVENDELSE | VALGFRI ANVENDELSE | VALGFRI ANVENDELSE | START/STOP TRYKPUMPE 1 | START/STOP TRYKPUMPE 2

PROGRAM 1

PAGE 60/19 — 24VDC — +F2

PAGE 60/19 — GND

24VDC → PAGE VX40 In P1/2

GND → PAGE 200/2

-Q301 (13/14)

-Q302 (13/14)

-S106

-S107

100-01 | 100-02 | 100-03 | 100-04 | 100-05 | 100-06 | 100-07 | 100-08

40 DI1 | 41 DI2 | 42 DI3 | 43 DI4 | 44 DI5 | 45 DI6 | 46 DI7 | 47 DI8

VIKMOTE VX40

-K600

S0 inputs 40-43

PNP inputs 44-47

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

Output

START TRYKPUMPE 1 | START TRYKPUMPE 2 | STOP TRYKPUMPE 1 | STOP TRYKPUMPE 2

0,75 mm2

VX40

DO1 DO2 DO3 DO4 DO5 DO6 DO7 DO8

30 31 32 33 34 35 36 37

PULS PULS PULS PULS

201-01 201-02 201-03 201-04

PROGRAM 1

-K200 -K201 -K202 -K203

GND GND

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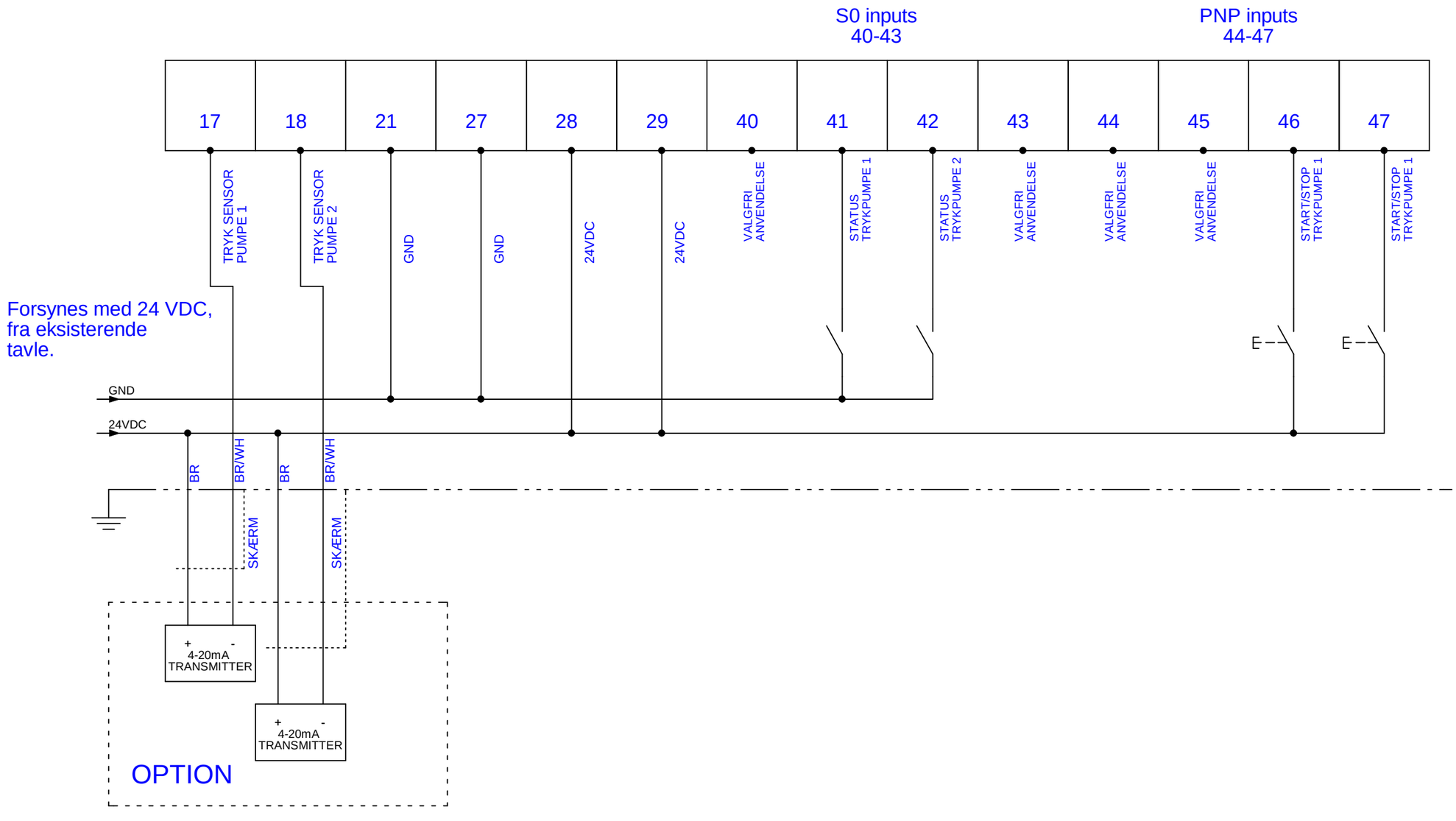
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Forbindelsesdiagram Indgange

PROGRAM 1



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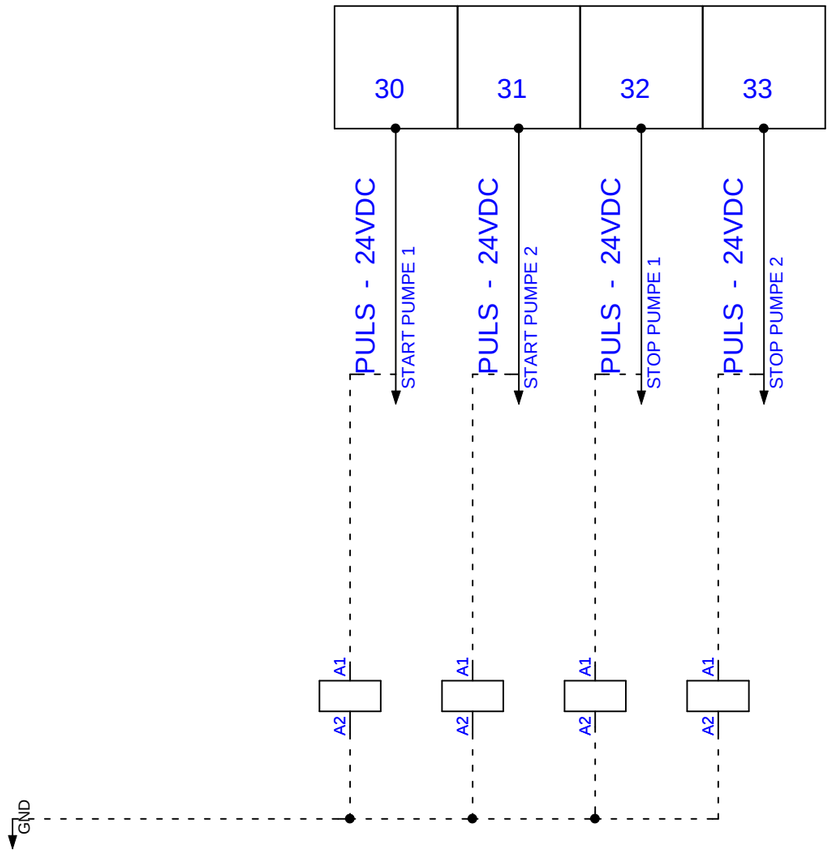
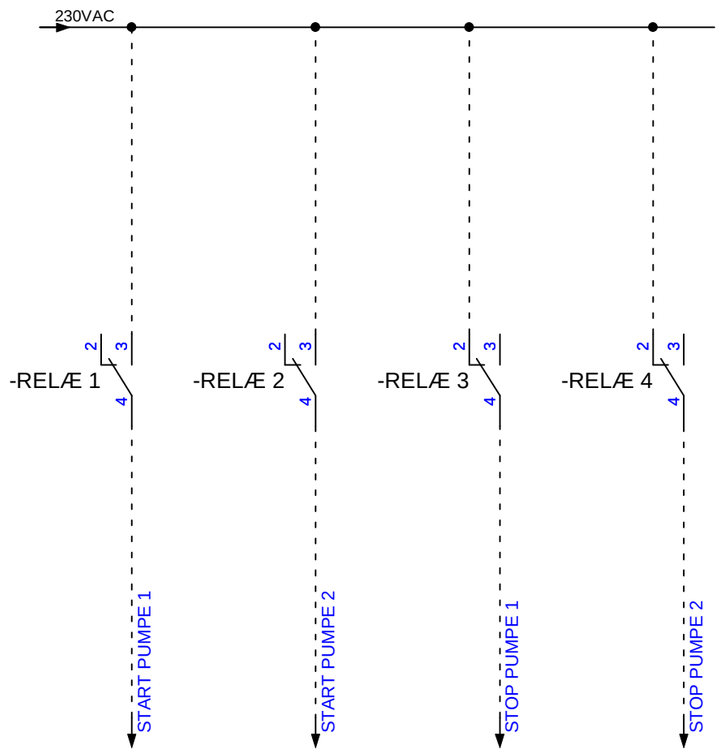
Forbindelsesdiagram Udgange

PROGRAM 1





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

Eksempel hvis der skal bruges anden styrespænding.
Her er anvendt 230VAC.

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Piece list

Pos.	EAN no.	Type	Description	Manufacture	Quantity
1					37
2		VIKMOTE VX40 FLEX	Vikmote VX40 Flex	Vikingegaarden	1
3		1000153	Antenne Vandal rund 2M, SMA(M)	Vikingegaarden	1
4		VCF02			1
5		VZ14	PE-element til Vario V02-V2	Telemecanique	1
6		ABL8RPS24030	SM Strømforsyning24VDC 3A man/auto 1F	Schneider Electric A/S	1
7		A9F04206	Automatsikring iC60N C 6A 2P	Schneider Electric	1
8		WSI 6 10 36V 101223	Sikringsklemme skrue/skrue10-36V DC/AC	Weidmüller	1

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