



# ÁLAGSREGLUN RAFBJÖGUNARSÍU

## Viðauki I

Teikningasett

Valþór Hermannsson



Rafmagnsteikningar

## Rafbjögunarsía

Tegund: Raf - SK4

Gerð: RS - 10

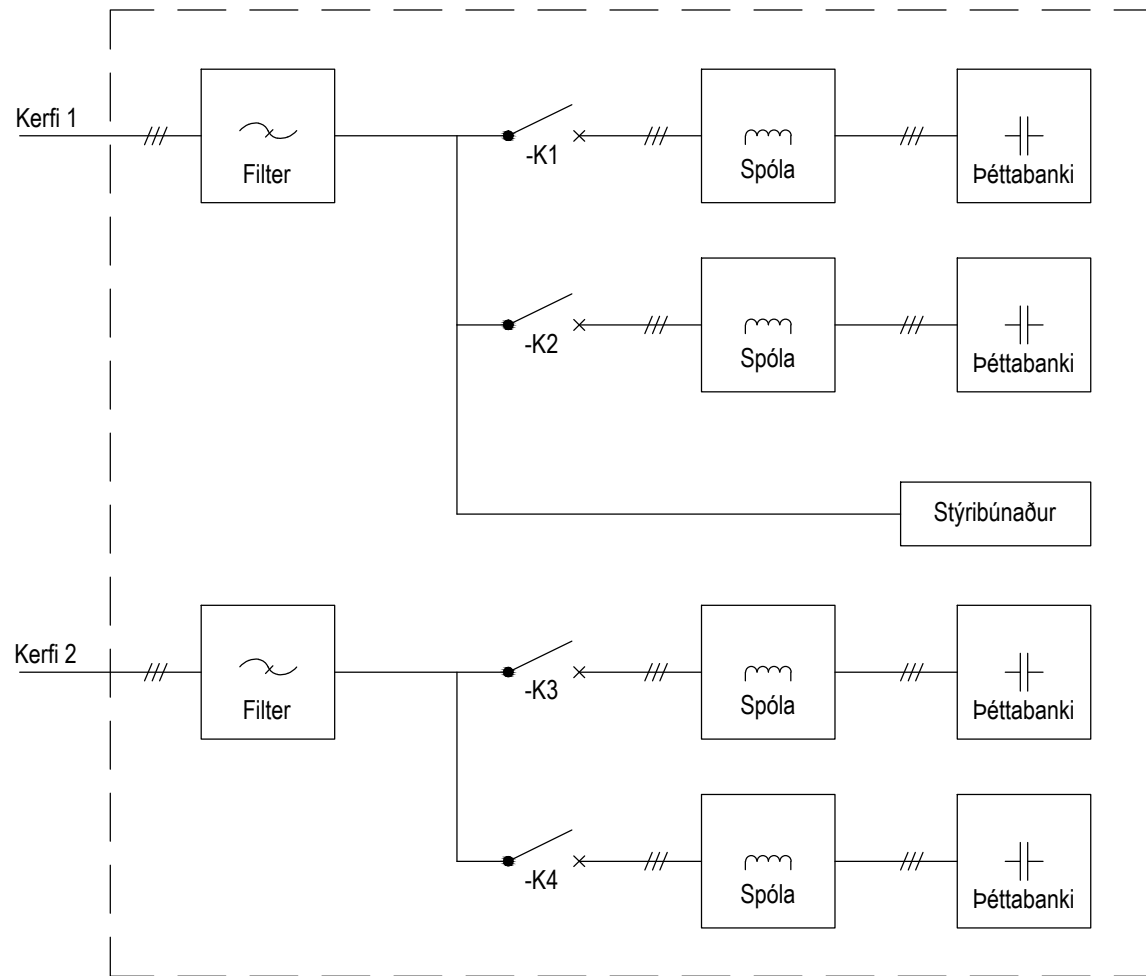
Raðnúmer: 203 - 04 - 13



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## 1 - Krafrásateikningar



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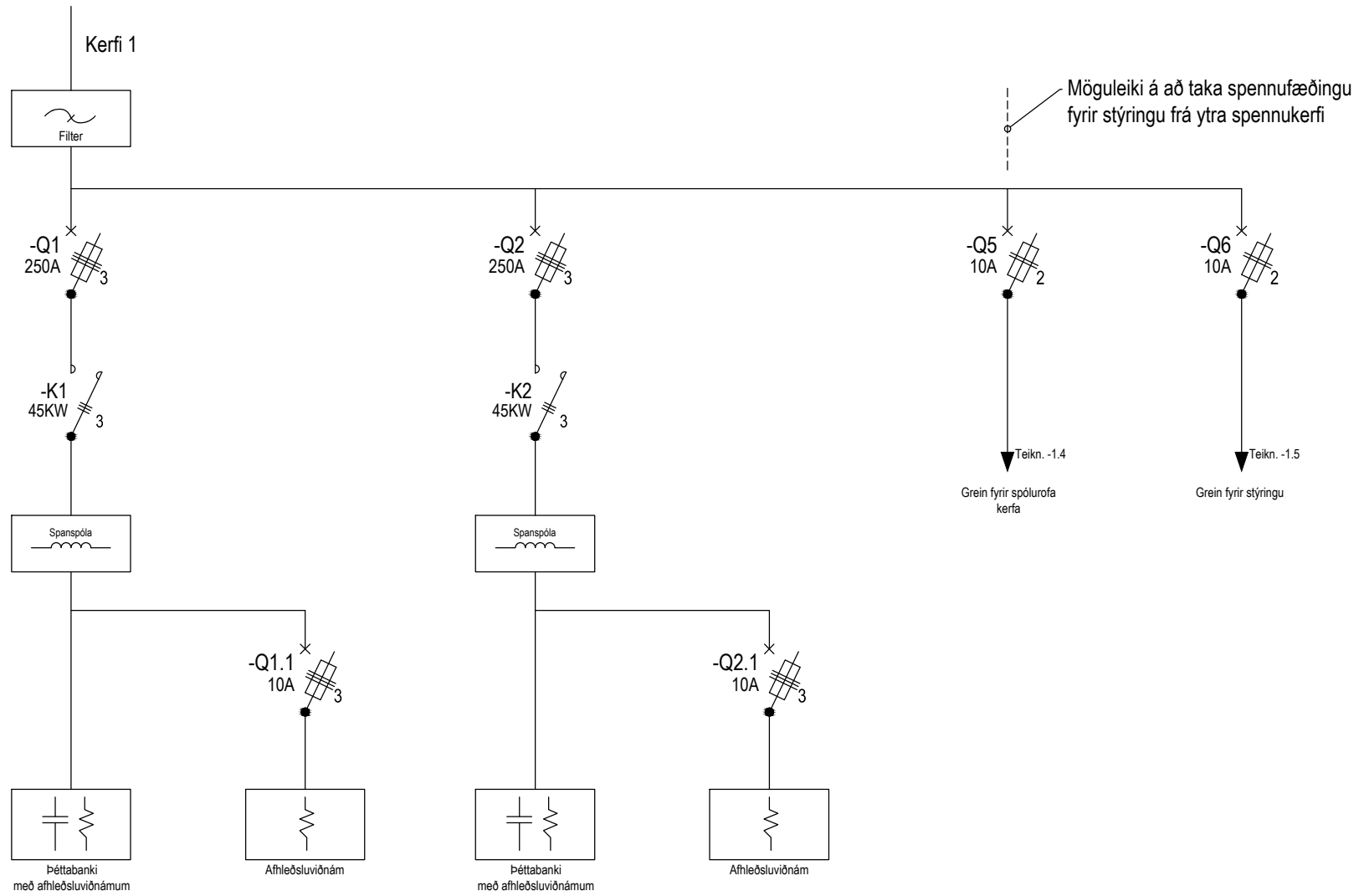
Kerfismynd

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Teikning

1.1



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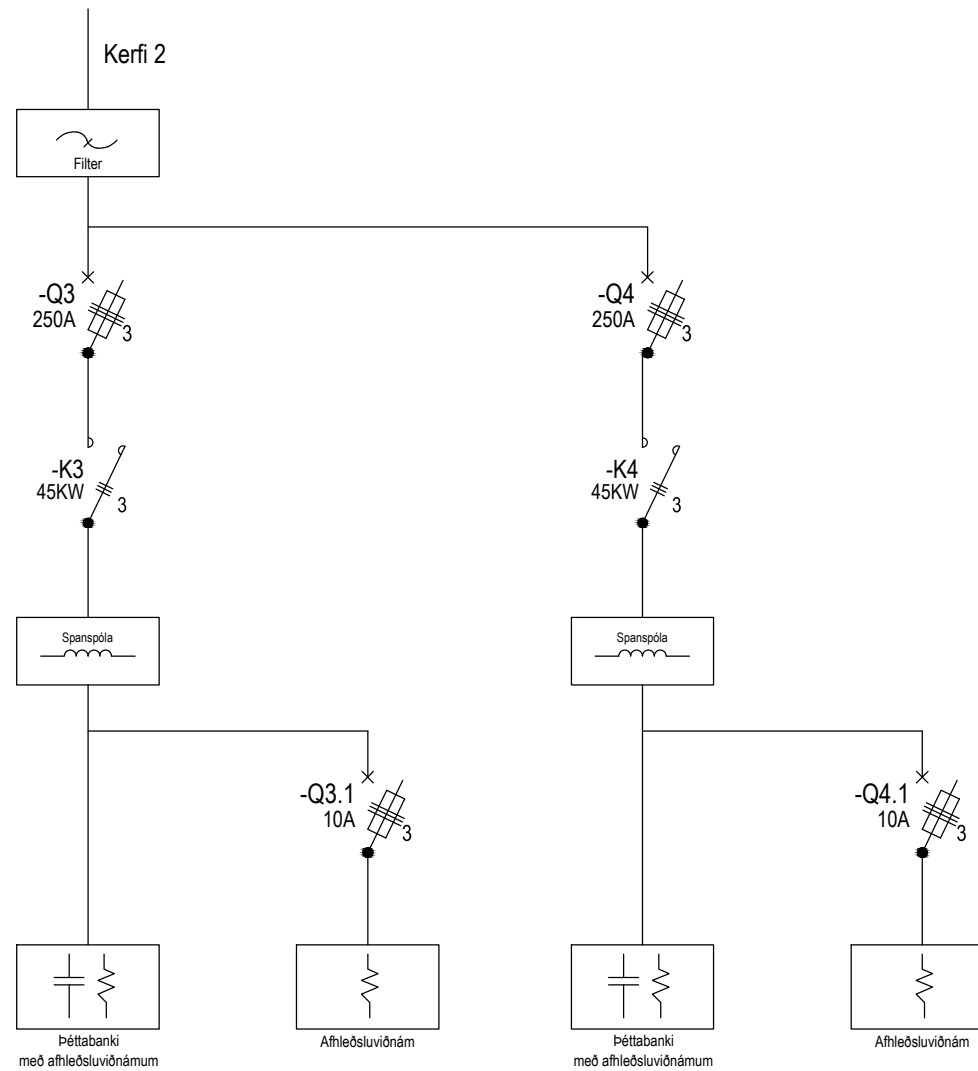
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Verkhliuti  
**Krafrás kerfis 1**

Teikninganr.  
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 Teikning  
**1.2**

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Verkhliuti

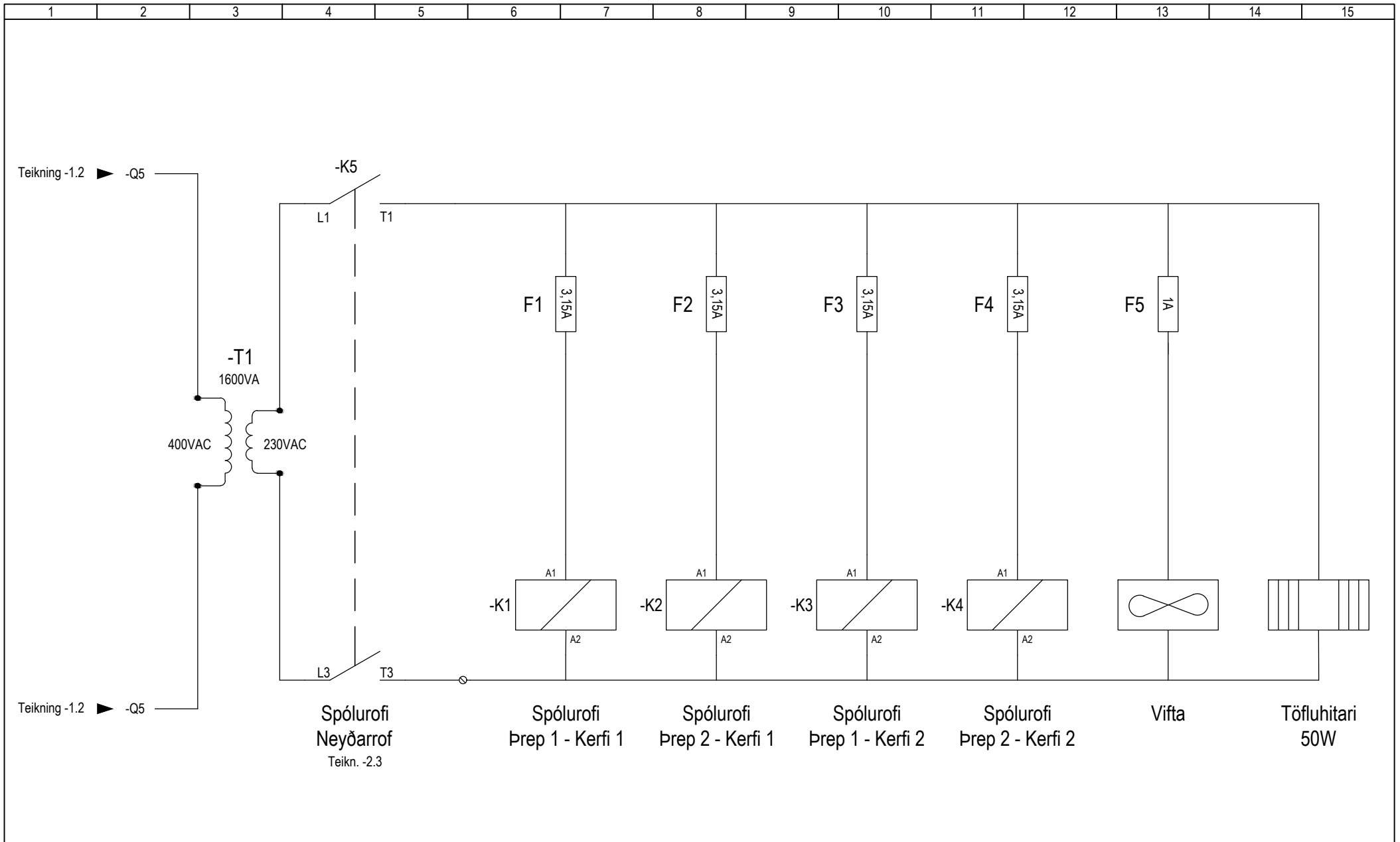
Krafrás kerfis 2

Teikninganr.

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Teikning

1.3



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T1- 400V/230 Krafrás

Teikninganr.

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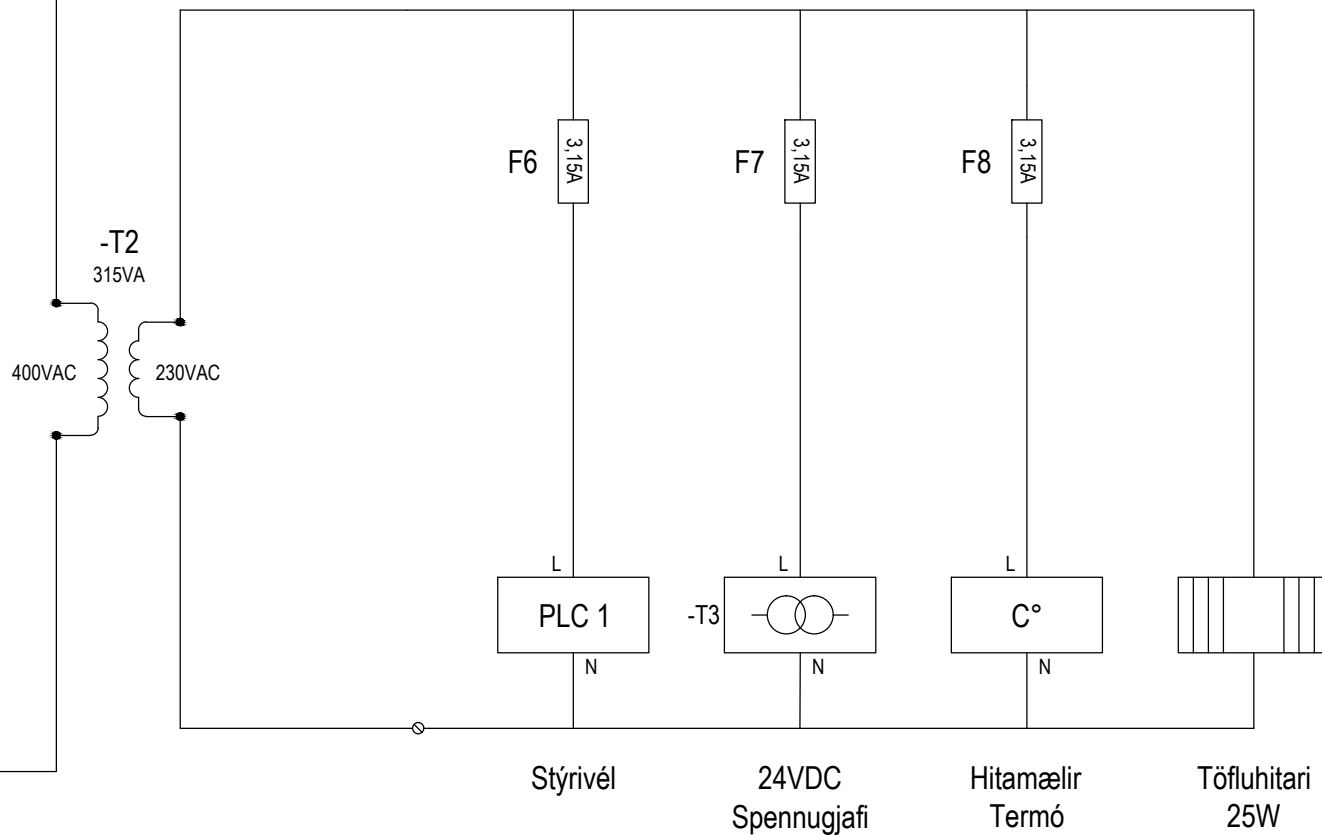
Teikning

1.4



Teikning -1.2 ► -Q6

Teikning -1.2 ► -Q6



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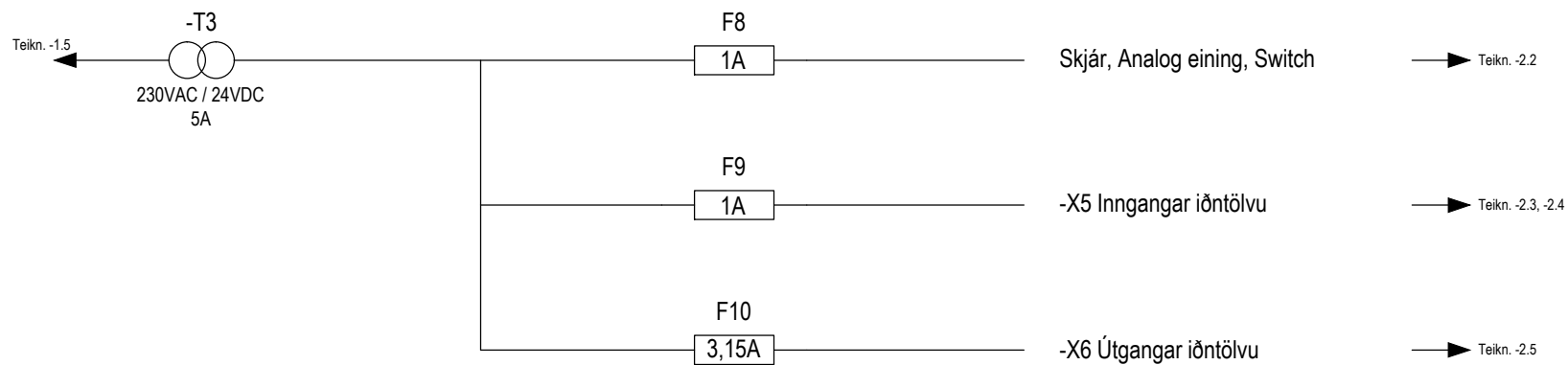
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Verkhliuti  
 T2- 400V/230 Krafrás

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**1.5**

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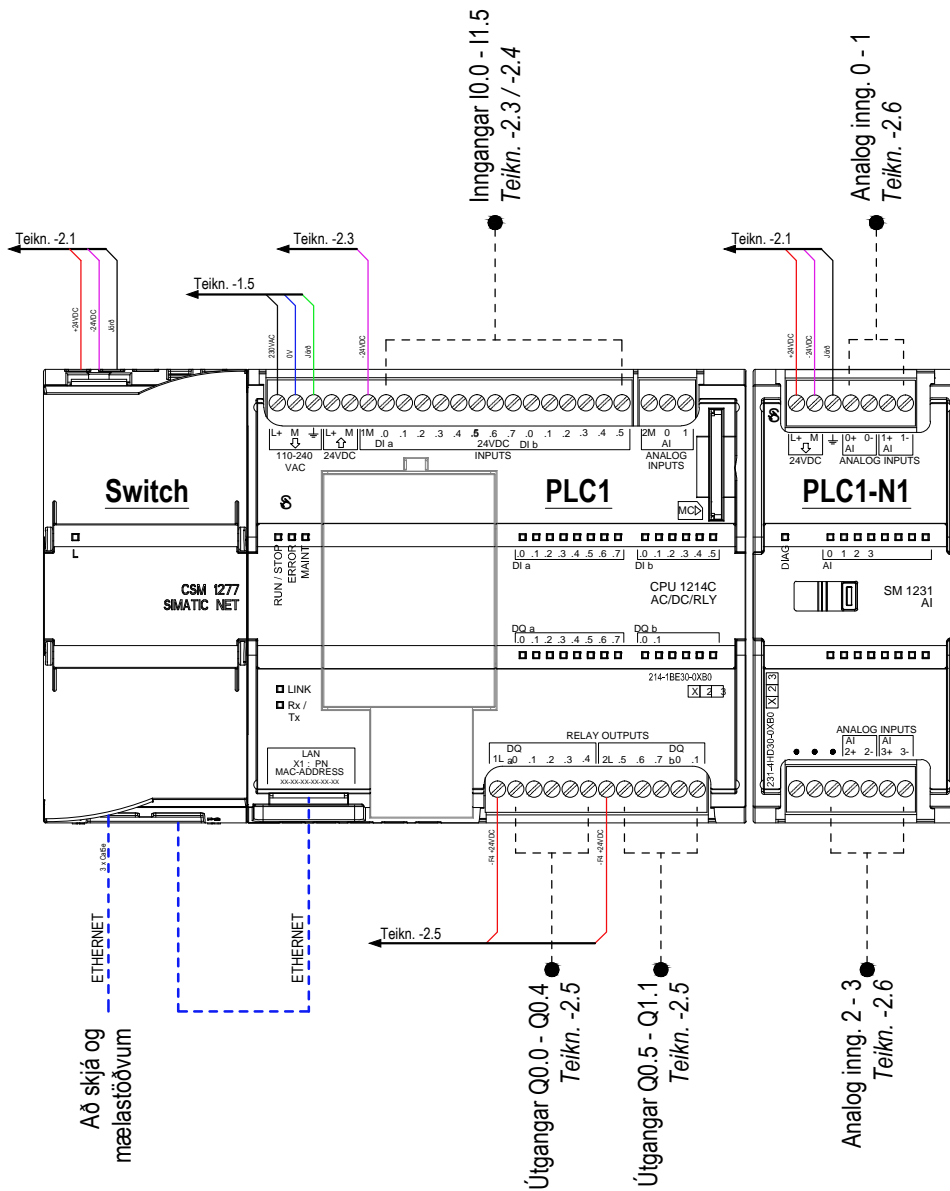
24V - Greinar

Teikninganr.

203 - 04 - 13

Teikning

2.1



## Tengilisti fyrir iðntölvu

Digital-Inngangar		Digital-Útgangar	
DI	Lýsing	DO	Lýsing
I0.0	Neyðarstopp	Q0.0	Spólurofi K1 – Kerfi 1
I0.1	Gangheimild	Q0.1	Spólurofi K2 – Kerfi 1
I0.2	Yfirhiti í skáp – Viðvörðun	Q0.2	Spólurofi K3 – Kerfi 2
I0.3	Yfirhiti í skáp – Villa	Q0.3	Spólurofi K4 – Kerfi 2
I0.4	Yfirhitavar í spólum	Q0.4	Gangljós – Grænt
I0.5	Spólurofi K1 inni	Q0.5	Viðvörðunarljós – Gult
I0.6	Spólurofi K2 inni	Q0.6	Villuljós – Rautt
I0.7	Spólurofi K3 inni	Q0.7	Villumerki - NC
I1.0	Spólurofi K4 inni	Q1.0	-
I1.1	Gangheimild kerfi 1	Q1.1	-
I1.2	Gangheimild kerfi 2		
I1.3	Samfösun kerfi 1 og 2		
I1.4	-		
I1.5	-		

## Analog-Inngangar

AI	Lýsing
AI0	Ferjald Kerfi 1 - Spennumerki 0-500V, 4-20mA
AI1	Ferjald Kerfi 1 - Kvar -500-500 kvar, 4-20mA
AI2	Ferjald Kerfi 2 - Spennumerki 0-500V, 4-20mA
AI3	Ferjald Kerfi 2 - Kvar -500-500 kvar, 4-20mA



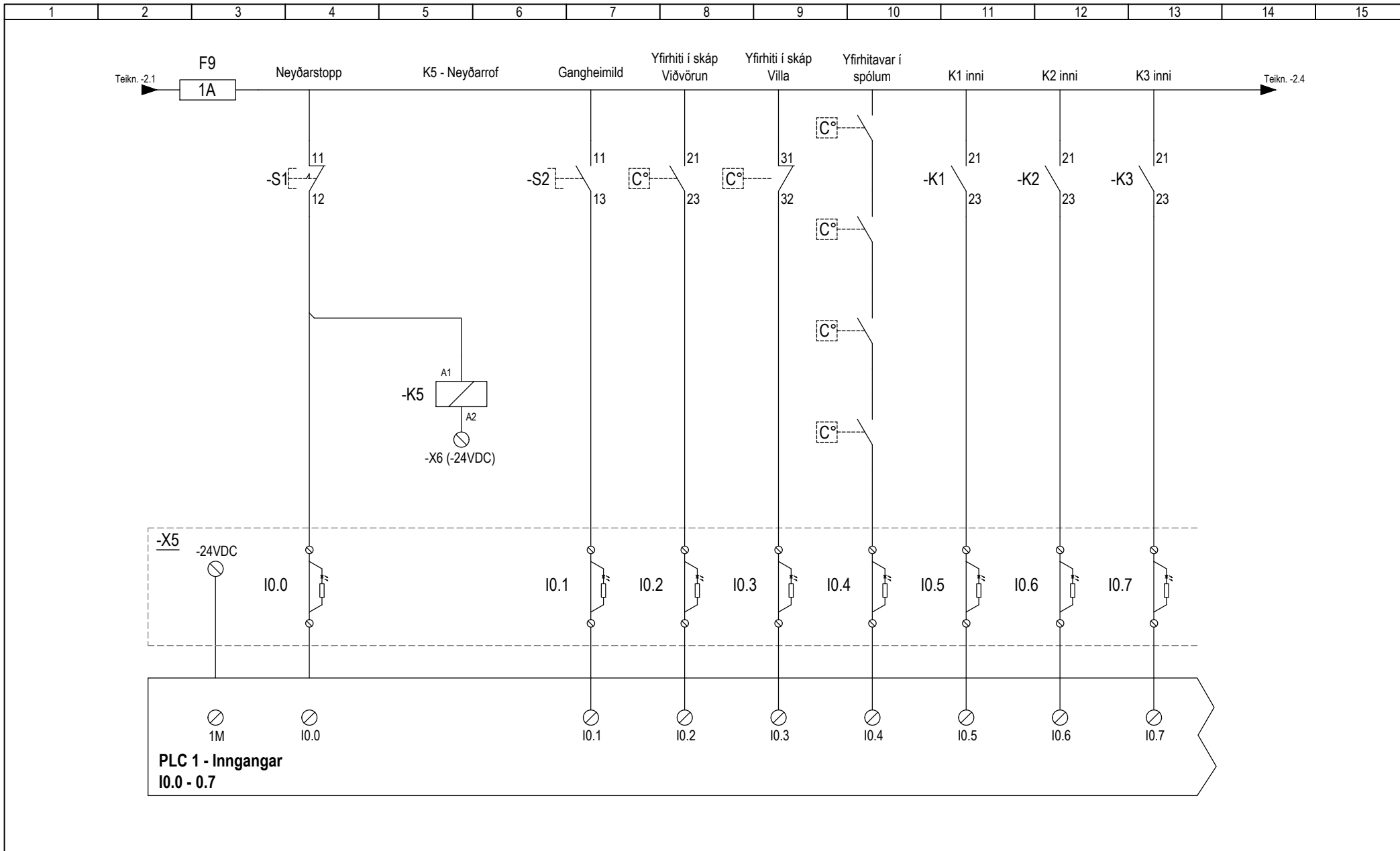
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**Iðnstýrivél - Yfirlitsmynd**

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**2.2**



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Verkhluti

Stafrænir inngangar stýrivélar 1/2

Teikningar.

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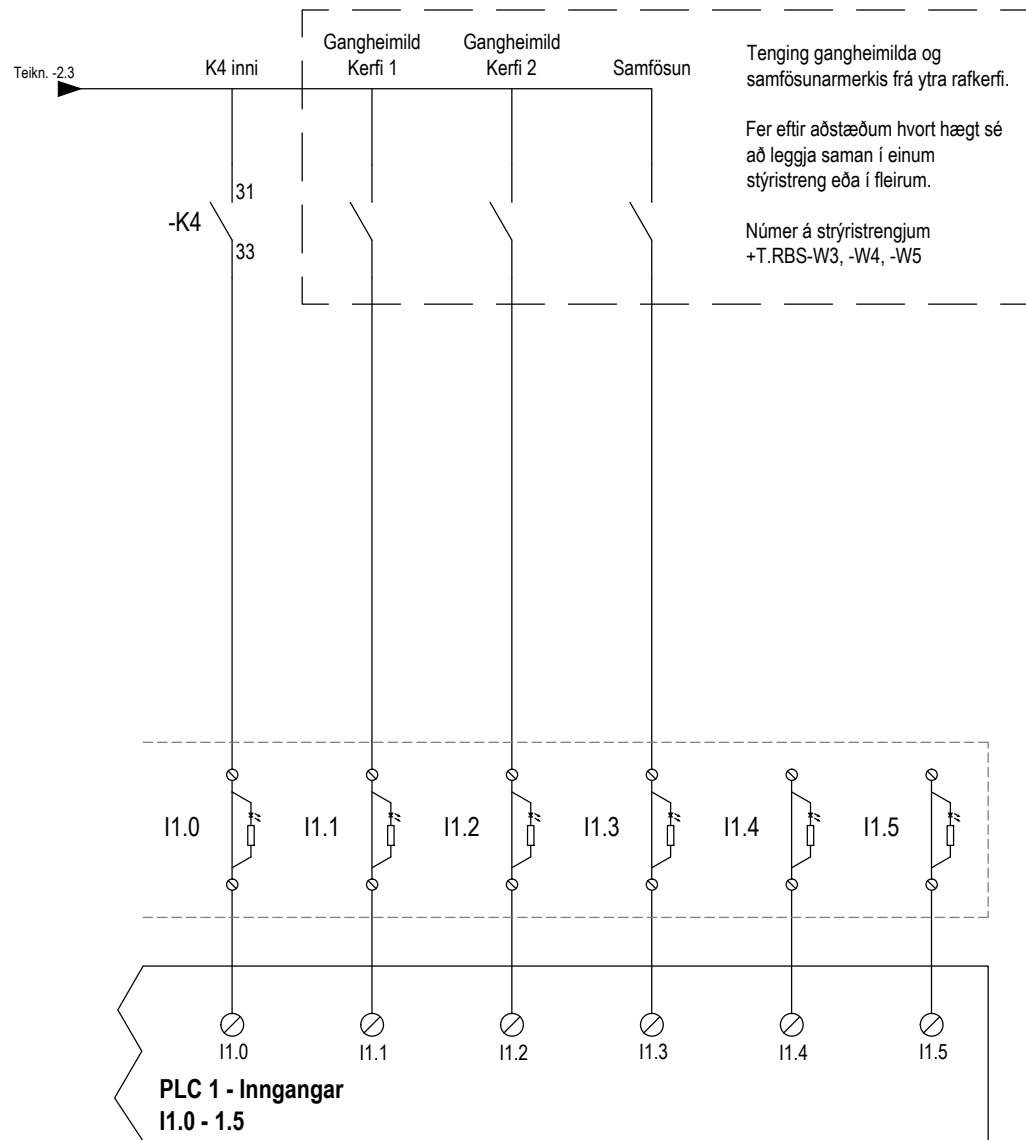
Teikning

2.3

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Verkhliuti

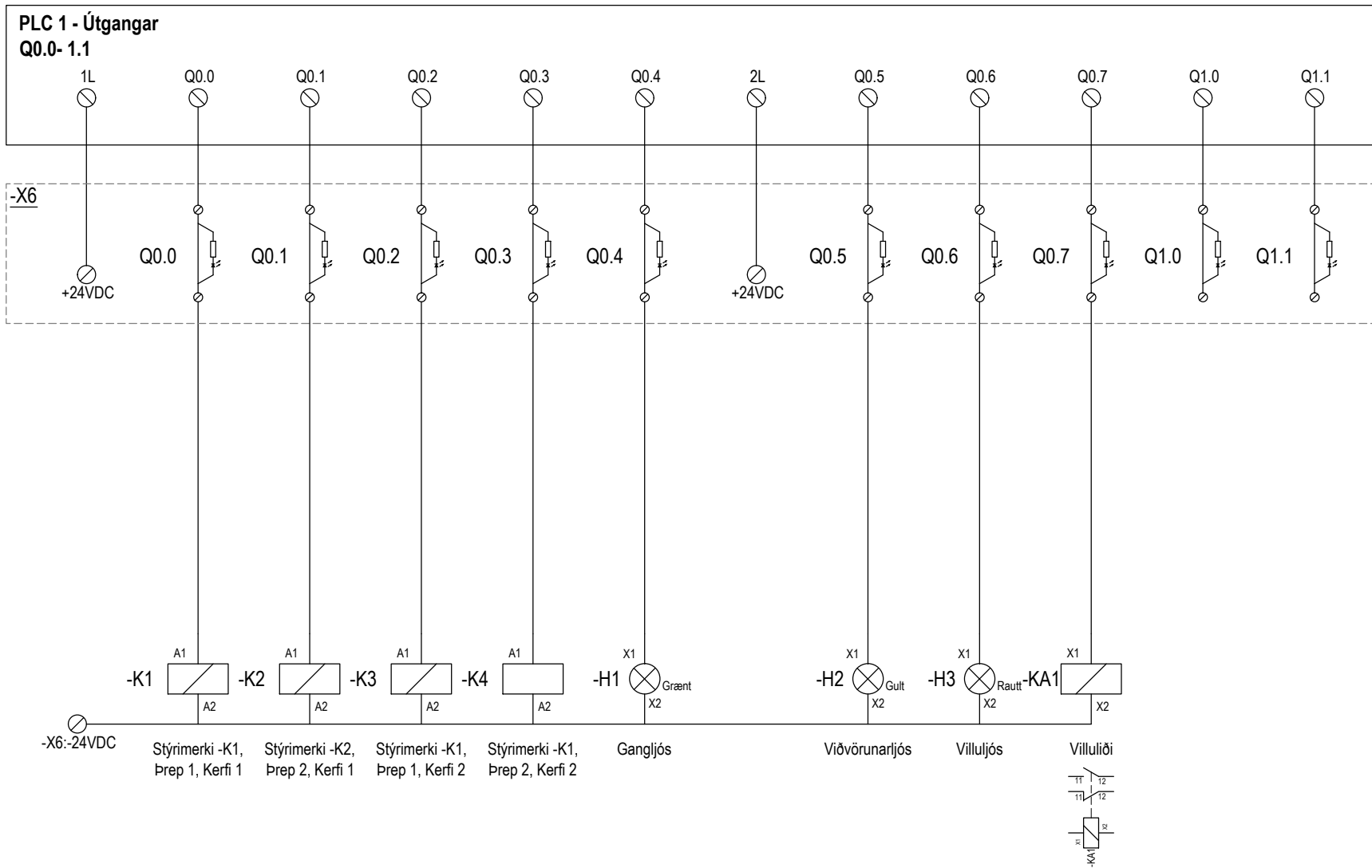
Stafrænir inngangar stýrivélar 2/2

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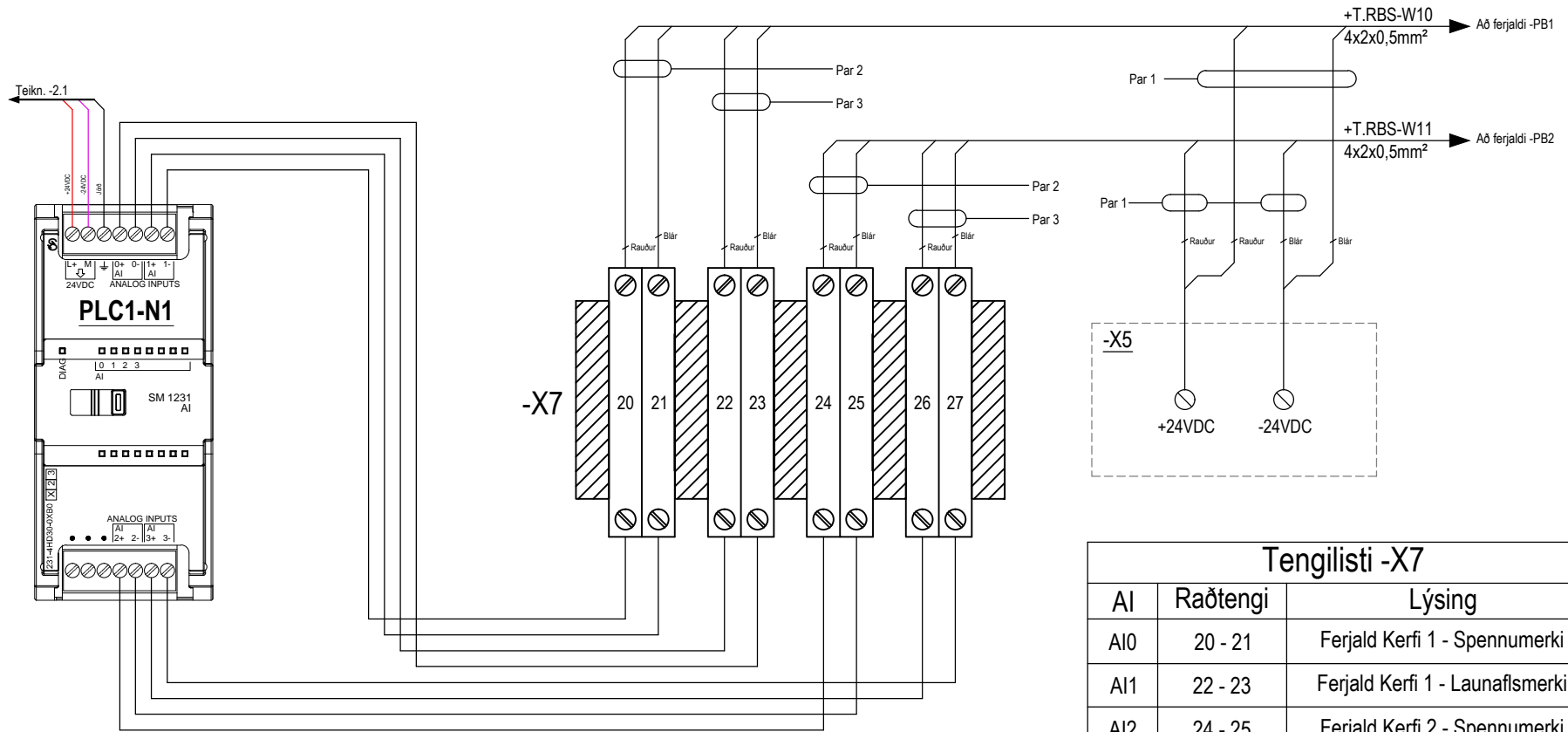
Stafrænir útgangar stýrivélar

Teikninganr.

203 - 04 - 13

Teikning

2.5



**Tengilisti -X7**

AI	Raðtengi	Lýsing
AI0	20 - 21	Ferjaldr Kerfi 1 - Spennumerki
AI1	22 - 23	Ferjaldr Kerfi 1 - Launafmsmerki
AI2	24 - 25	Ferjaldr Kerfi 2 - Spennumerki
AI3	26 - 27	Ferjaldr Kerfi 2 - Launafmsmerki



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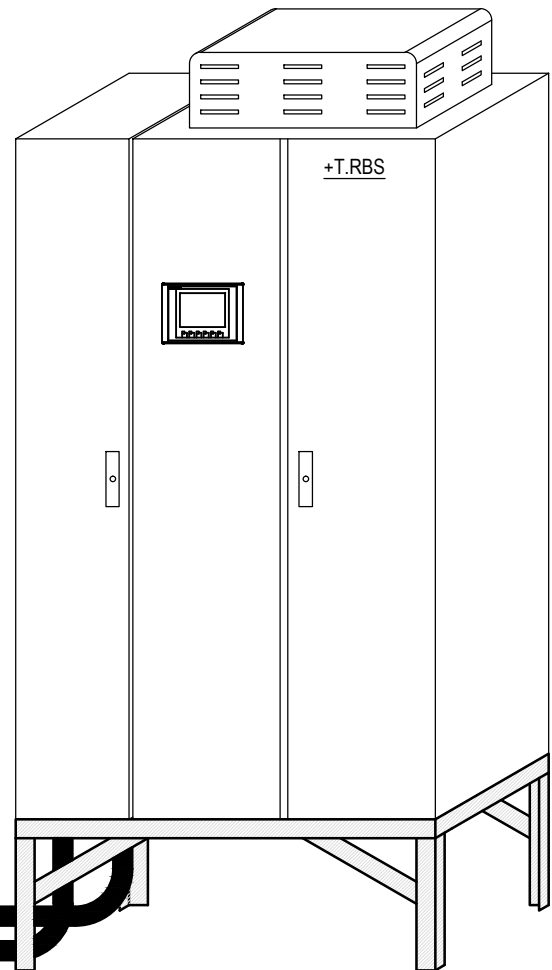
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Verkhliuti  
**Hliðrænin inngangar stýrivélar**

Teikninganr.  
203 - 04 - 13  
 Teikning  
**2.6**



### 3 - Uppsetning búnaðar



Strengtafla		
Strengur Nr.	Tegund	Skýring
+T.RBS-W1	4x150mm <sup>2</sup> - CU	Stofnstrengur fyrir kerfi 1
+T.RBS-W2	4x150mm <sup>2</sup> - CU	Stofnstrengur fyrir kerfi 2
+T.RBS-W3	4x2x0,5mm <sup>2</sup>	Stýristrengur fyrir gangheimildir kerfa og samfösun
+T.RBS-W4	4x2x0,5mm <sup>2</sup>	Stýristrengur fyrir gangheimildir kerfa og samfösun
+T.RBS-W5	4x2x0,5mm <sup>2</sup>	Stýristrengur fyrir gangheimildir kerfa og samfösun
+T.RBS-W6	6x0,5mm <sup>2</sup>	Stýristrengur fyrir villuboð
+T.RBS-W7	6x0,5mm <sup>2</sup>	Stýristrengur fyrir villuljós
+T.RBS-W8	Cat5e	Netkapall fyrir mælastöð 1
+T.RBS-W9	Cat5e	Netkapall fyrir mælastöð 2
+T.RBS-W10	4x2x0,5mm <sup>2</sup>	Stýristrengur fyrir ferjald 1
+T.RBS-W11	4x2x0,5mm <sup>2</sup>	Stýristrengur fyrir ferjald 2

\*Strengtafla er til viðmiðunar um strengmerkingar.  
 ATH:Lagning strengja fer eftir tegund rafkerfis og uppsetningar.



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Rafbjögunarsía

Raf - SK4  
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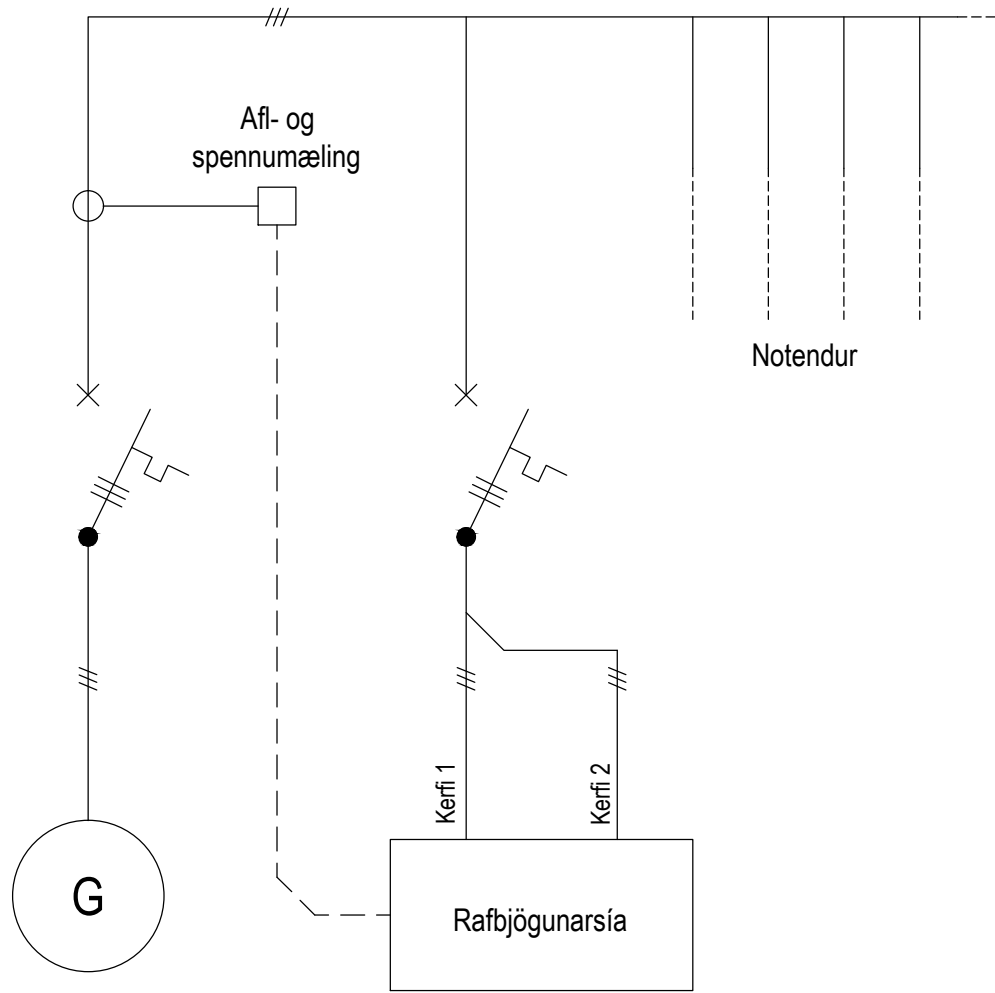
Inntakskaplar, Kapalnúmer

Teikninganr.

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Teikning

3.1



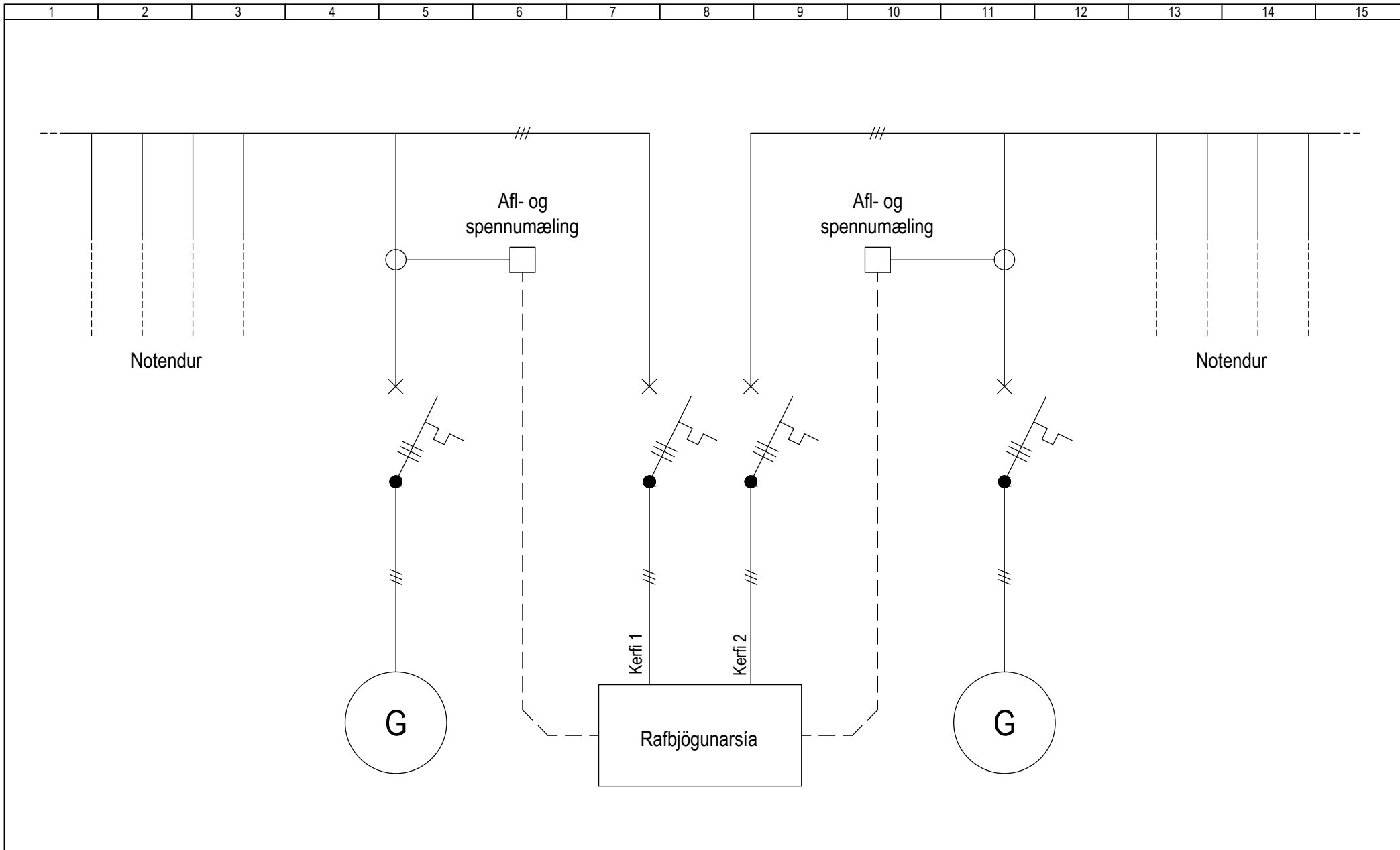
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Verkhliuti  Samtengd kerfi
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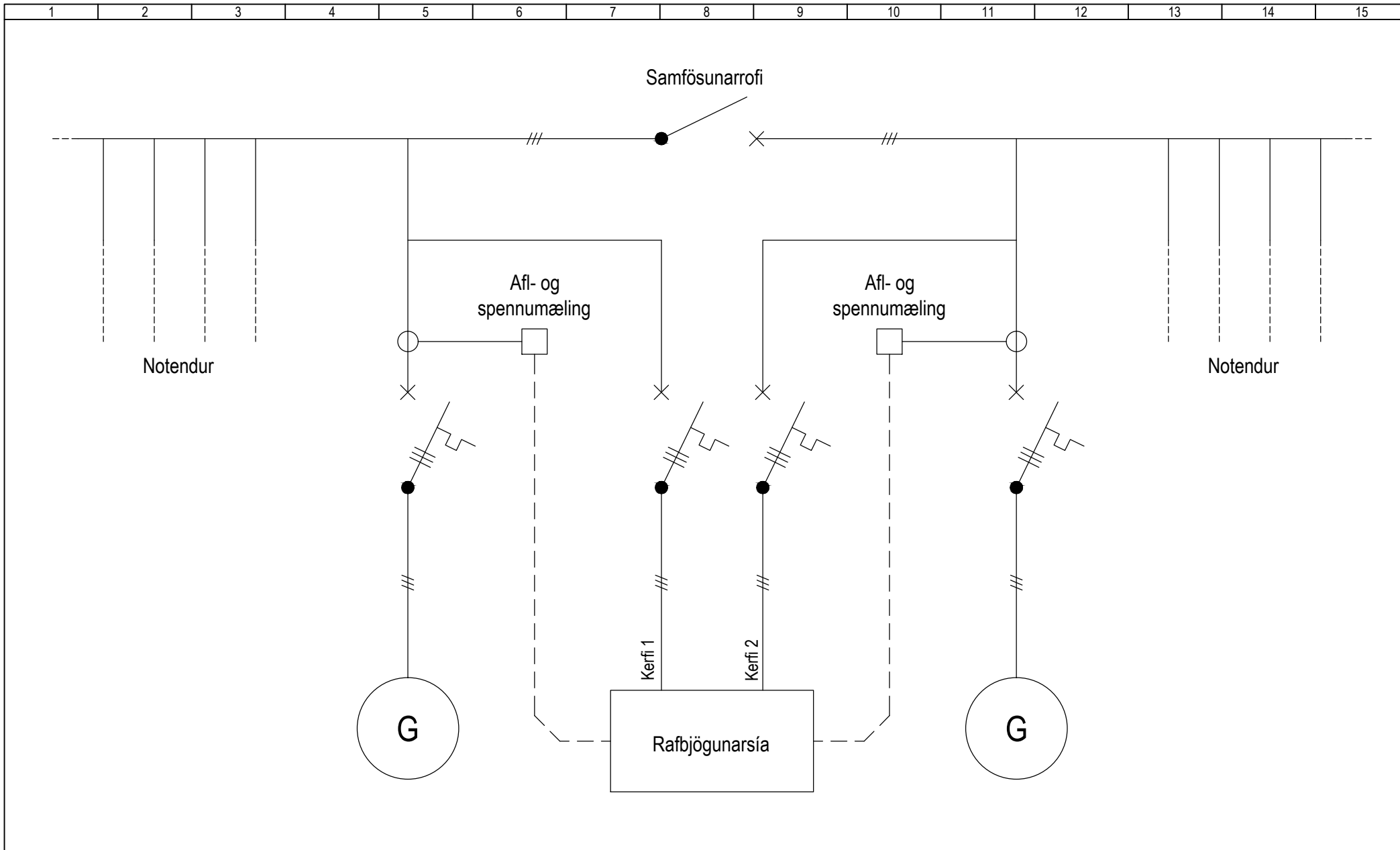
Sjálfstæð kerfi

Teikninganr.

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Teikning

3.3



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Verkhliuti

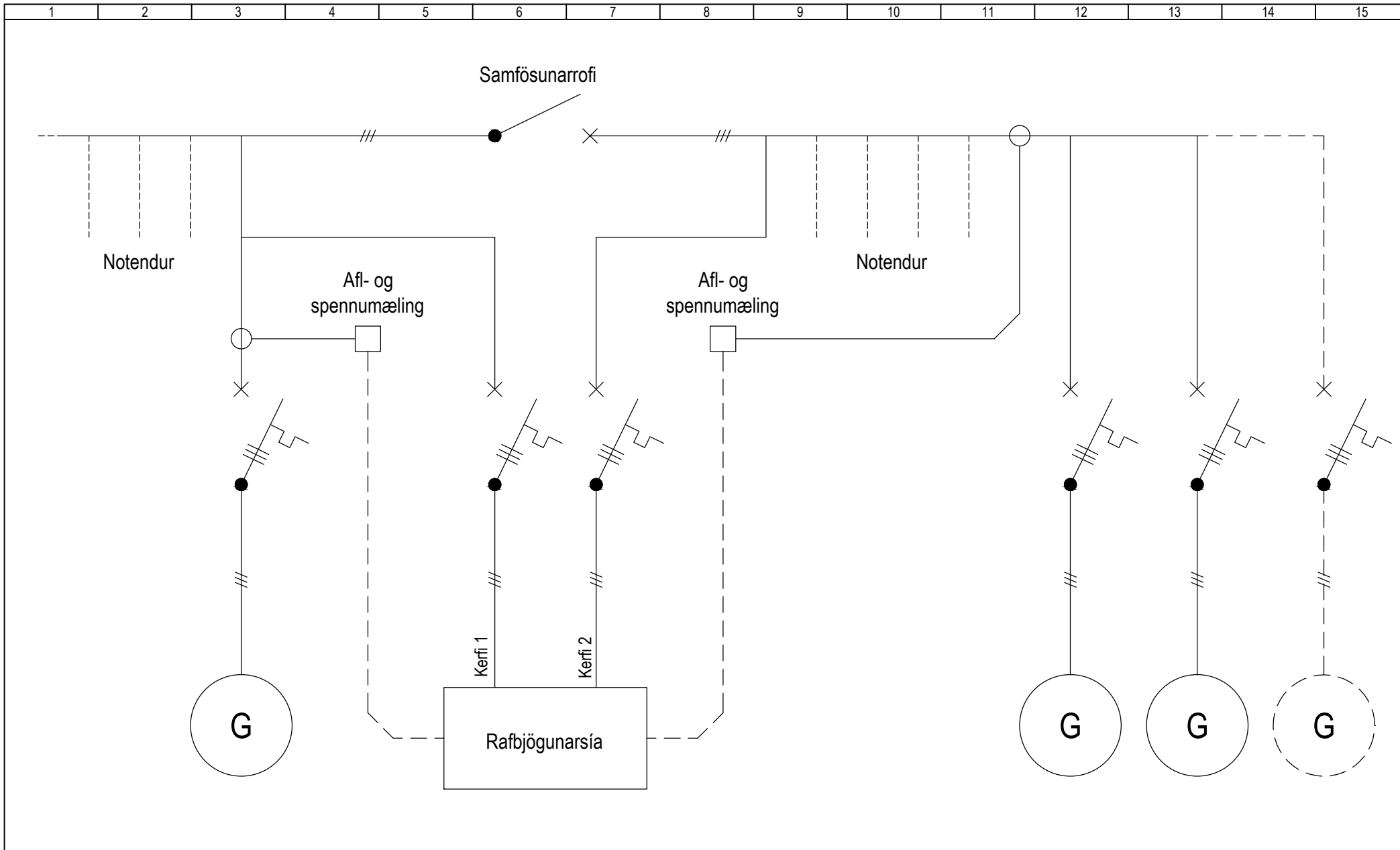
Samkeyrð kerfi

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3.4



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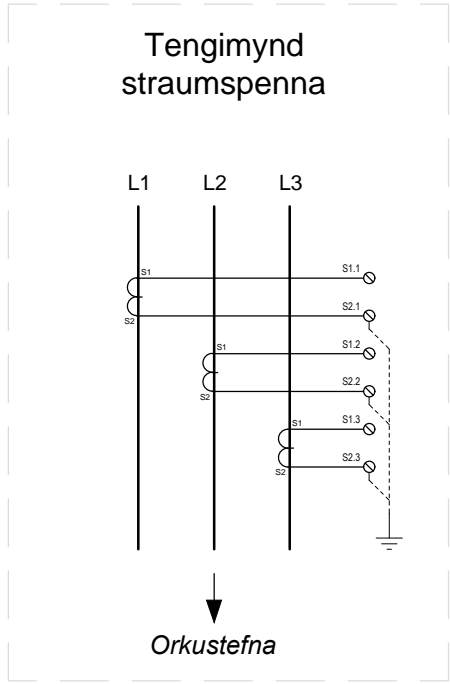
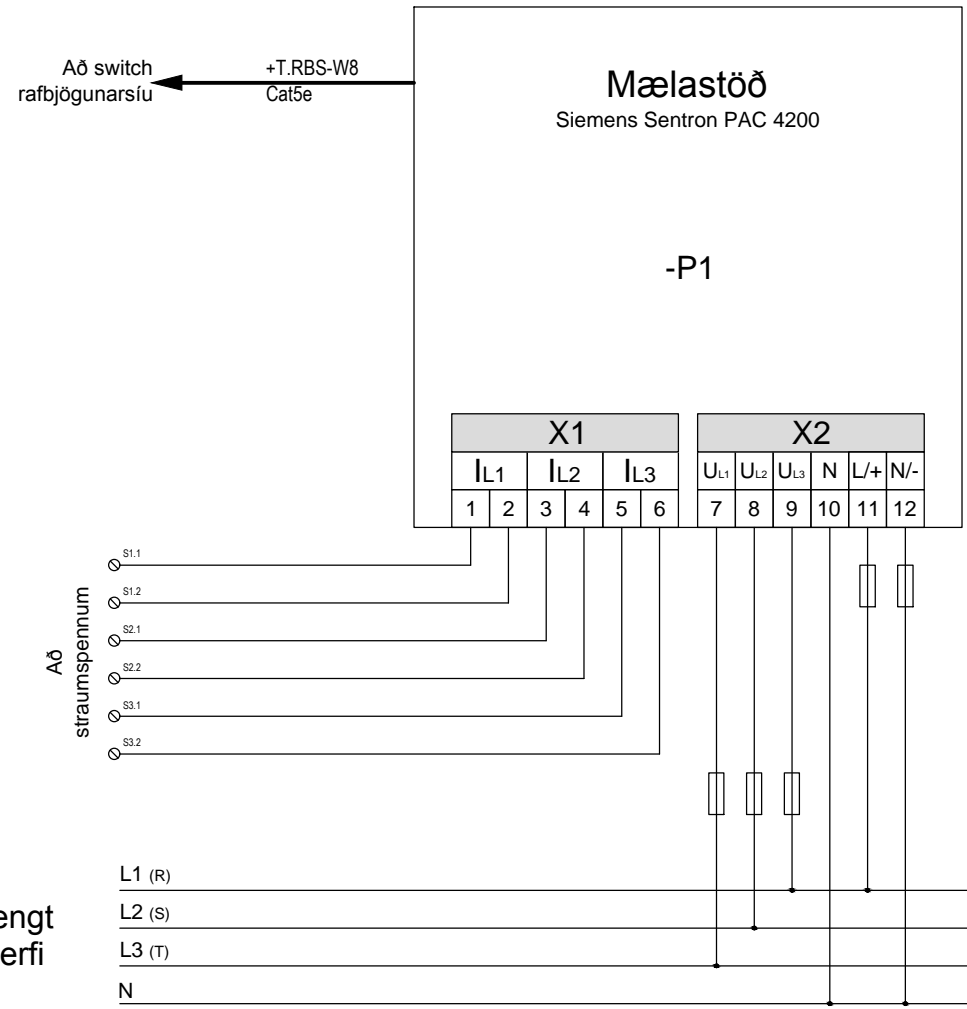
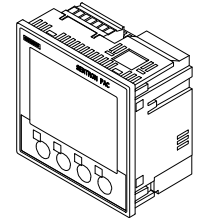
Stærri raforkukerfi

Teikninganr.

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Teikning

3.5



Stjórnutengt  
4-víra kerfi

L1 (R)													
L2 (S)													
L3 (T)													
N													



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**Mælastöð - Tengimynd A**

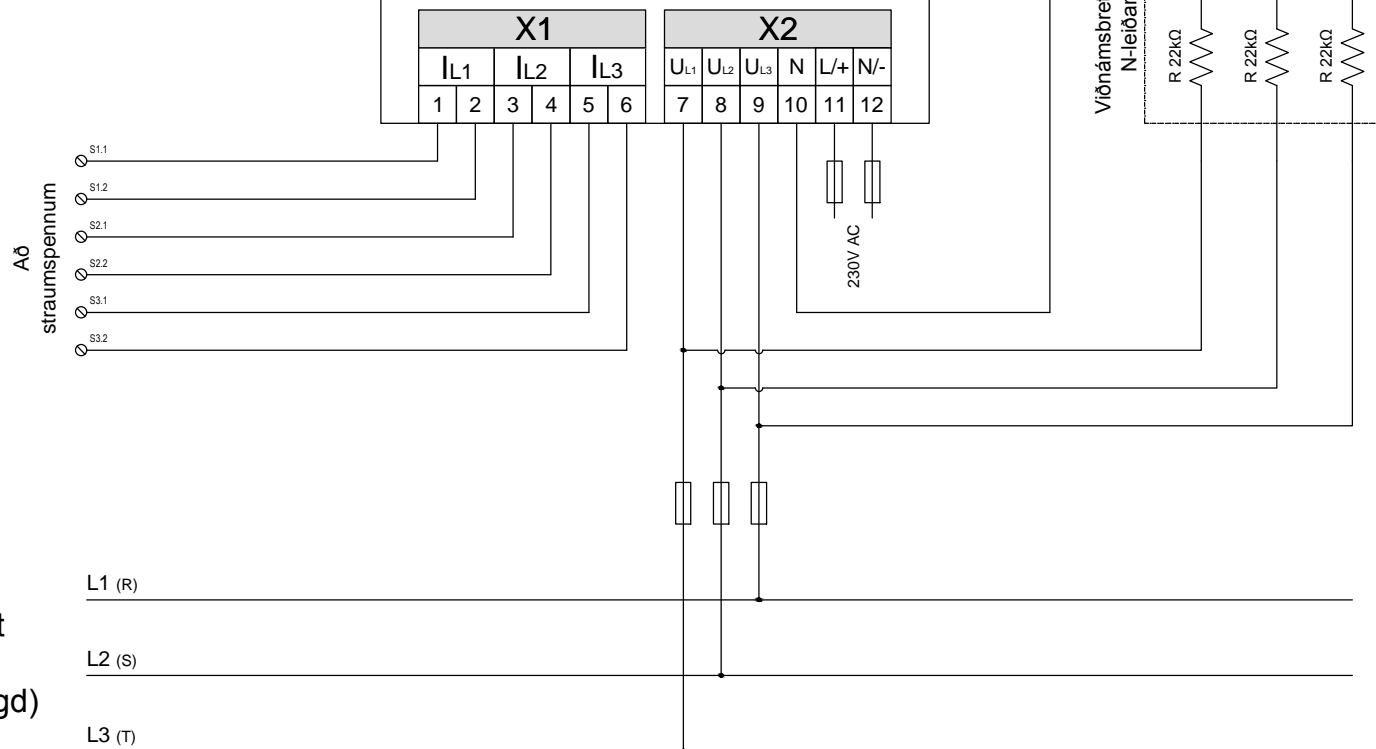
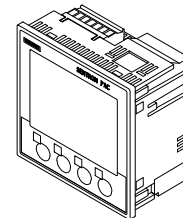
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**3.6**

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rafþjögunarsíu ← +T.RBS-W8  
Cat5e

**Mælastöð**  
Siemens Sentron PAC 4200

-P1



Stjörnutengt  
3-víra kerfi  
(núlltaug ótengt)



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Mælastöð - Tengimynd B

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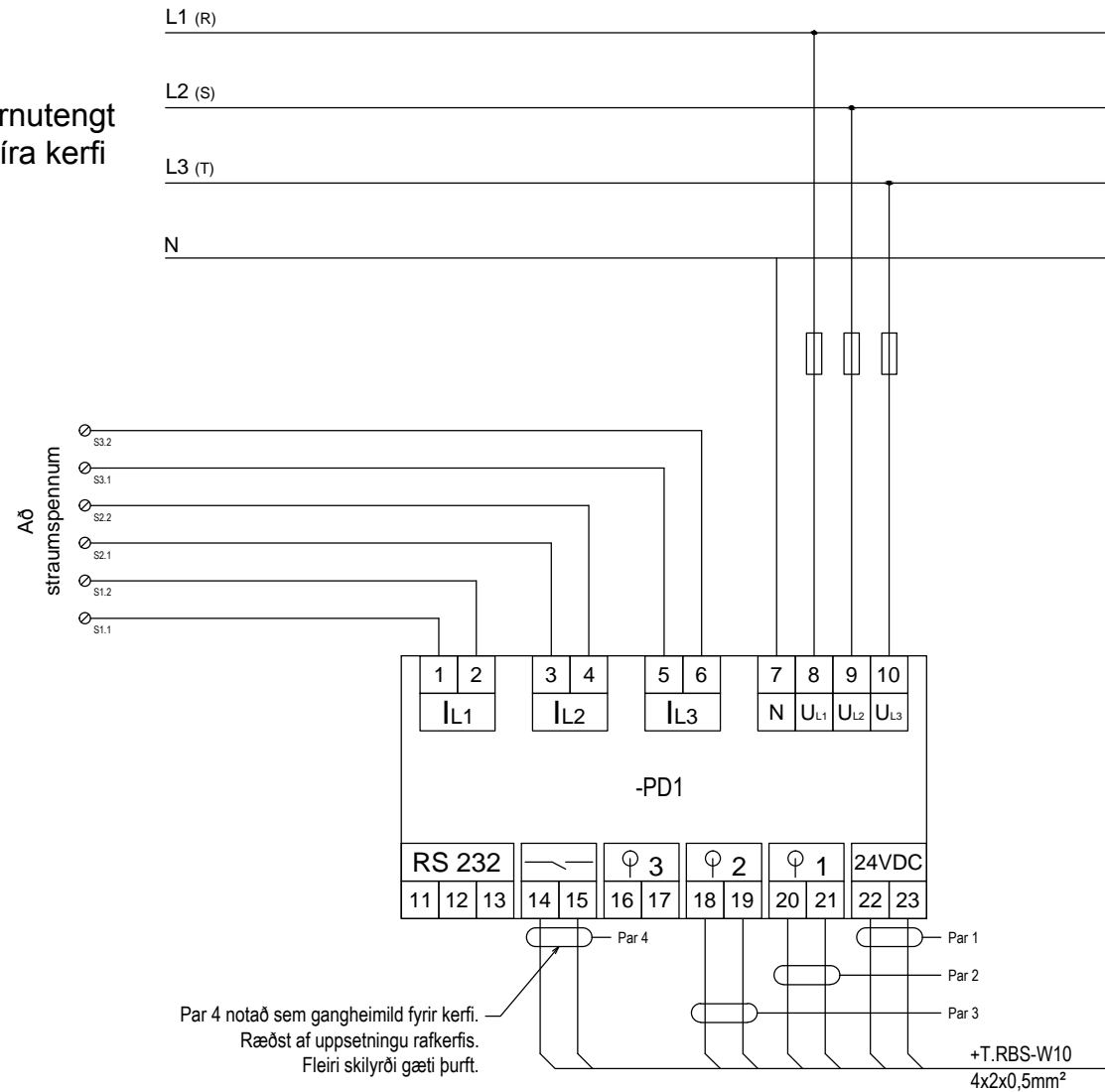
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3.7



Stjörnutengt  
4-víra kerfi



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Ferjald - Tengimynd A

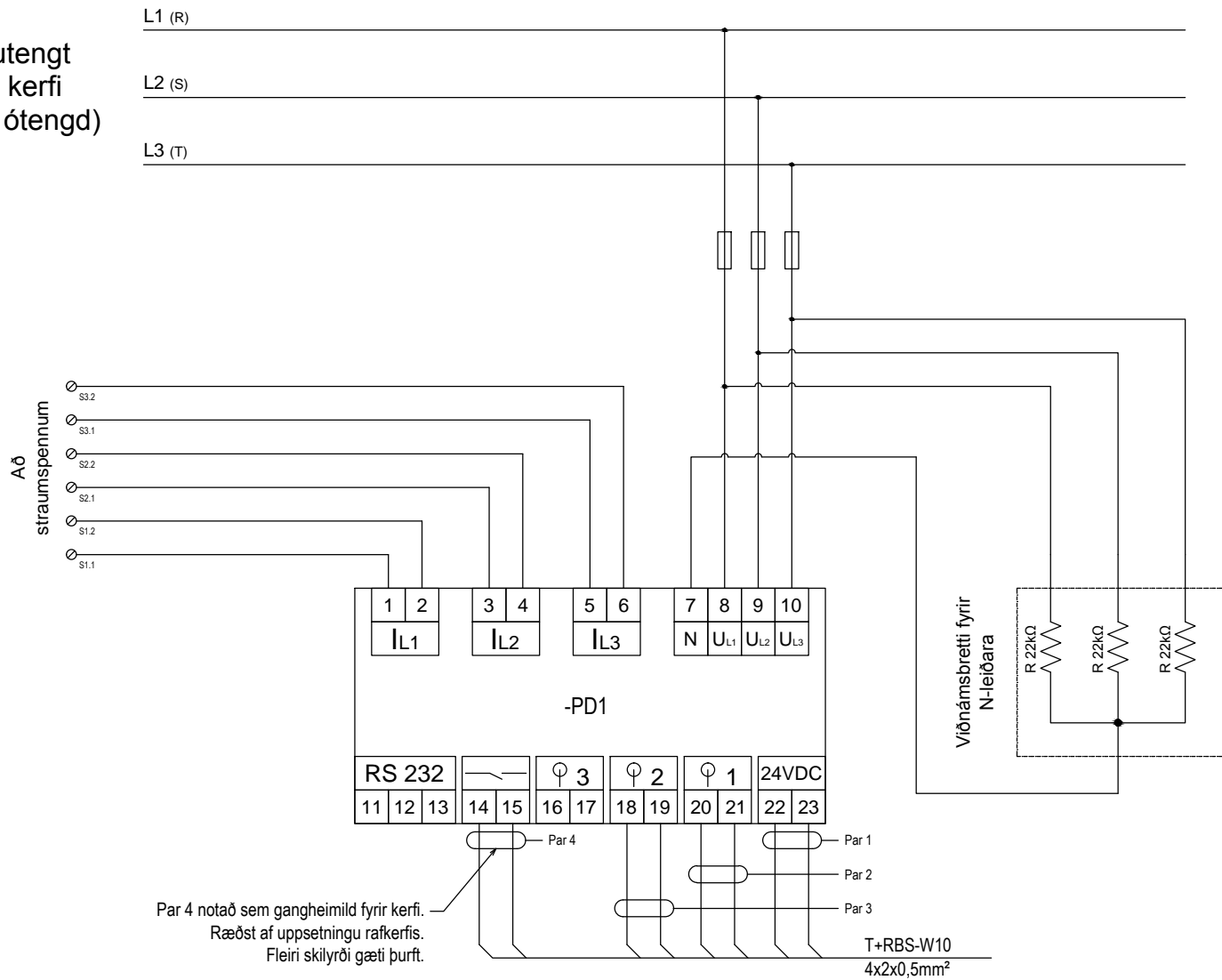
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3.8

Stjórnutengt  
3-víra kerfi  
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Hannað / Designed  
VH

Yfirfarið / Checked  
PBÁ

Sambýkkt / Approved  
----

Verkhelti / Gerð / Týpa

Rafbjögunnarsía

Raf - SK4  
RS - 10

Verkhliuti

Ferjald - Tengimynd B

Teikninganr.

203 - 04 - 13

Teikning

3.9