

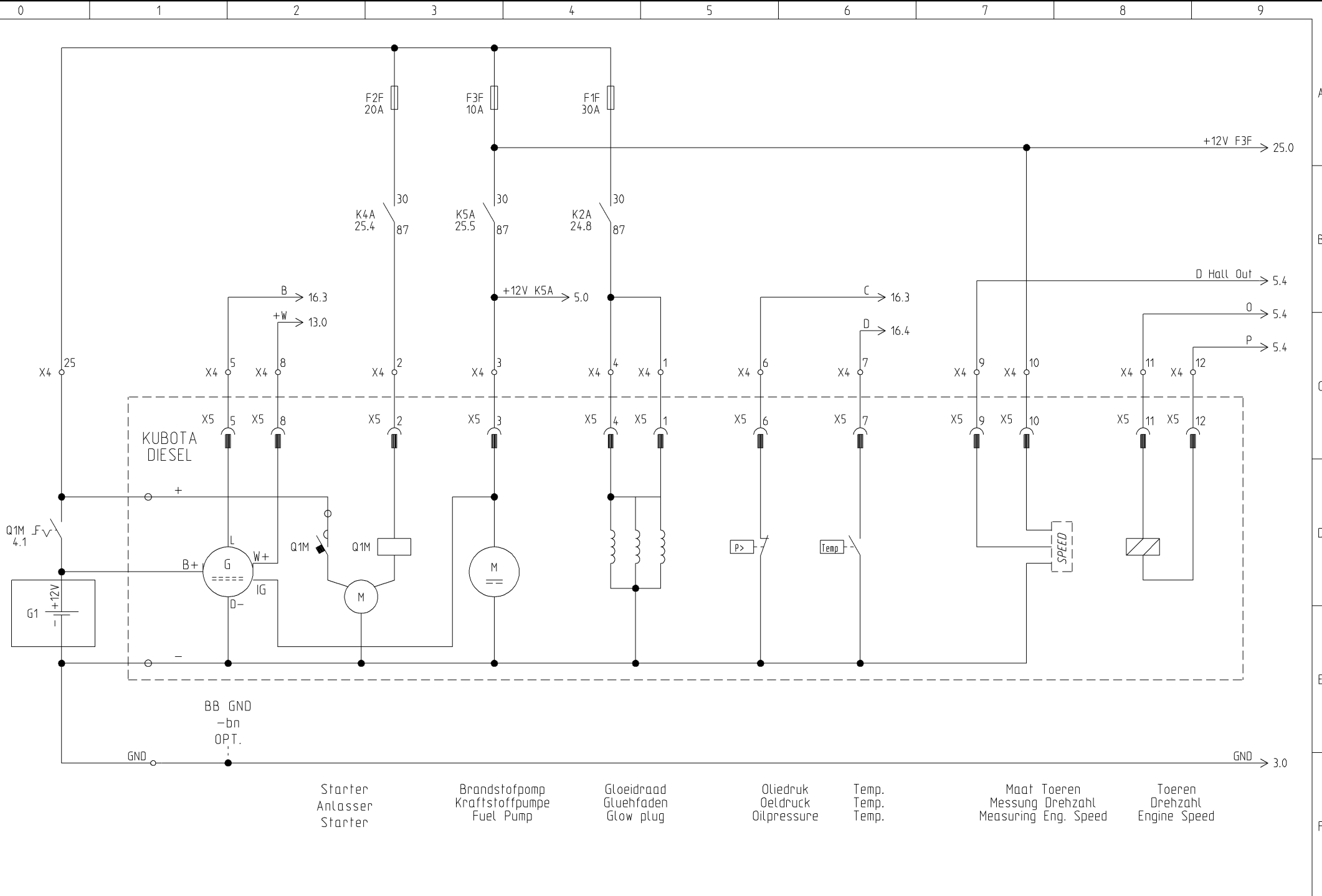
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AANSLUITKLEM KLEMMENKAST φ ANSCHLUSSKLEMME KLEMMKASTEN TERMINAL CONNECTION BOX AANSLUITKLEM BEDIENINGSKAST φ ANSCHLUSSKLEMME STEUERPULT TERMINAL CONTROL BOX	AANSLUITKLEM TRANSISTOR ⊕ ANSCHLUSSKLEMME TRANSISTOR TERMINAL TRANSISTOR AANSLUITKLEM PLC ⊕ ANSCHLUSSKLEMME SPS TERMINAL PLC	AANSLUITKLEM PLC-SLAVE φ ANSCHLUSSKLEMME SPS-SLAVE TERMINAL PLC-SLAVE
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TYPE	OMSCHRIJVING UMSCHREIBUNG DESCRIPTION	PLC PROG: SPS PROG: PLC PROG:
HL190-HYBRID		HL220_H_25_01A
HL220-HYBRID		HL220_H_25_01A

REV.	DATUM DATUM DATE	OPMERKING BEMERKUNG REMARK
A	24-08-16	DMC SPEED 3

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- Starter
Anlasser
Starter
- Brandstofpomp
Kraftstoffpumpe
Fuel Pump
- Gloeidraad
Gluehfaden
Glow plug
- Olgedruk
Oelddruk
Oilpressure
- Temp.
Temp.
Temp.
- Maat Toeren
Messung Drehzahl
Measuring Eng. Speed
- Toeren
Drehzahl
Engine Speed

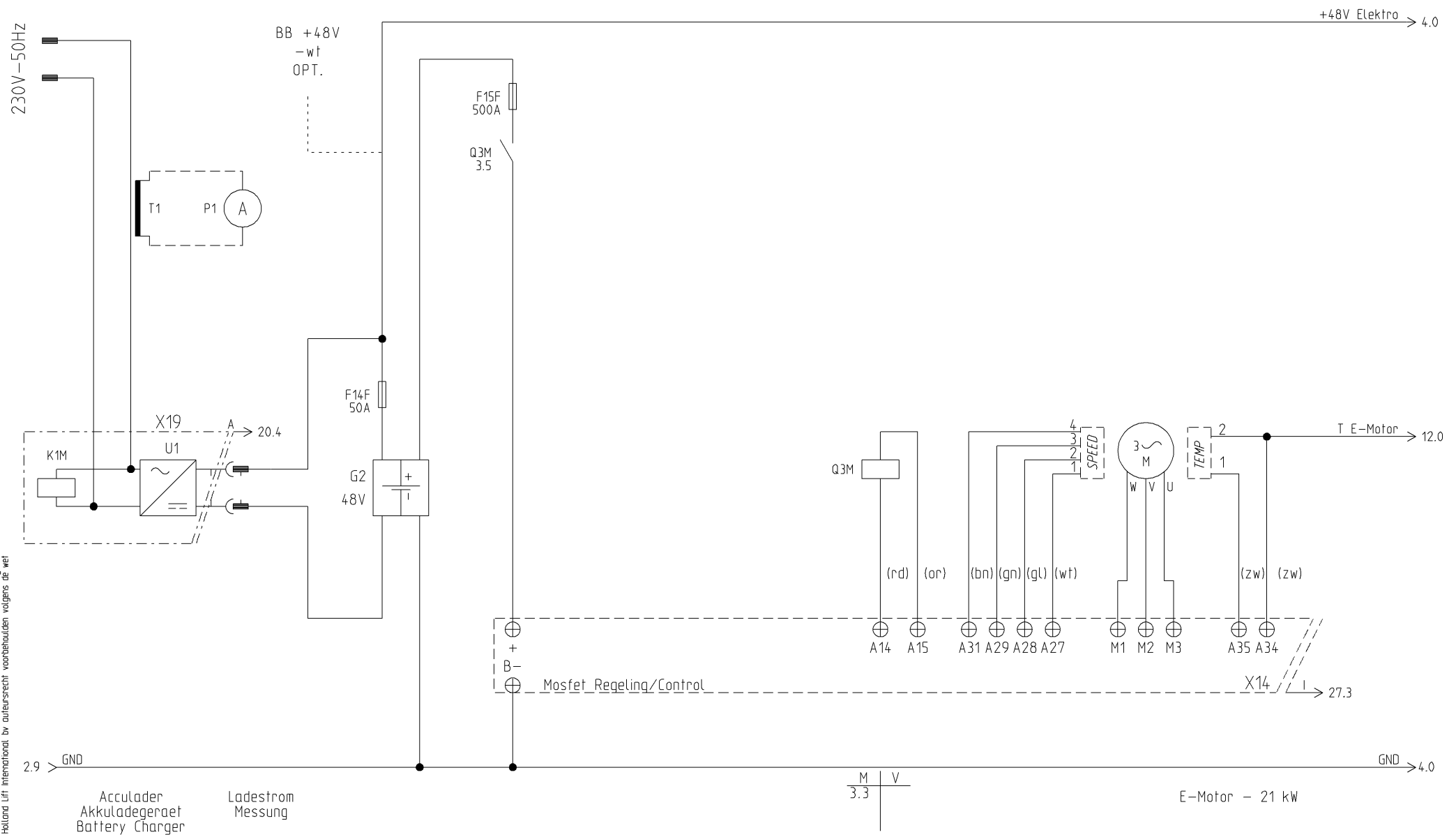


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STROOMKRINGSCHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

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					Blatt: 2

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Acculader
 Akkuladegeraet
 Battery Charger
 Ladestrom
 Messung
 Optie/Option

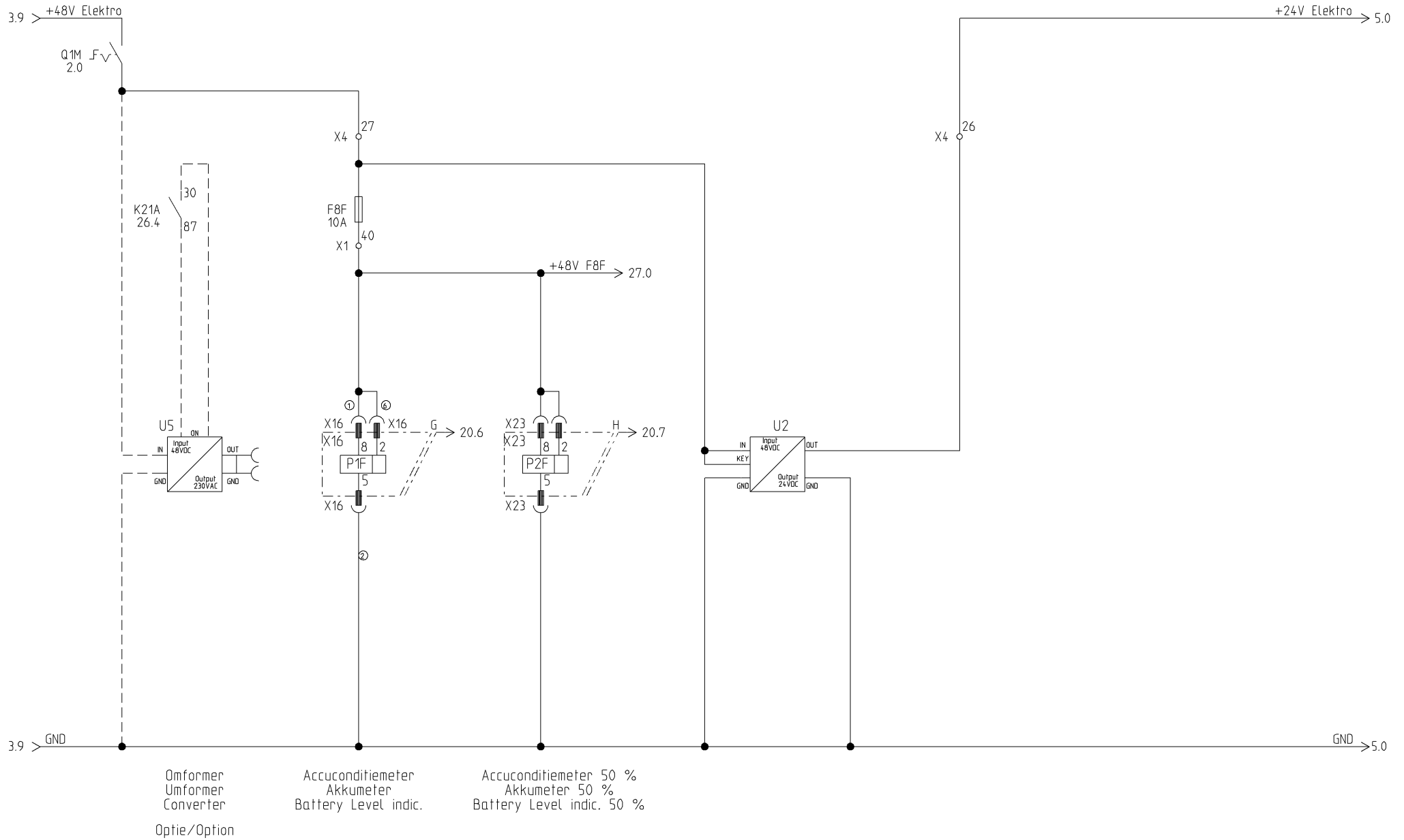


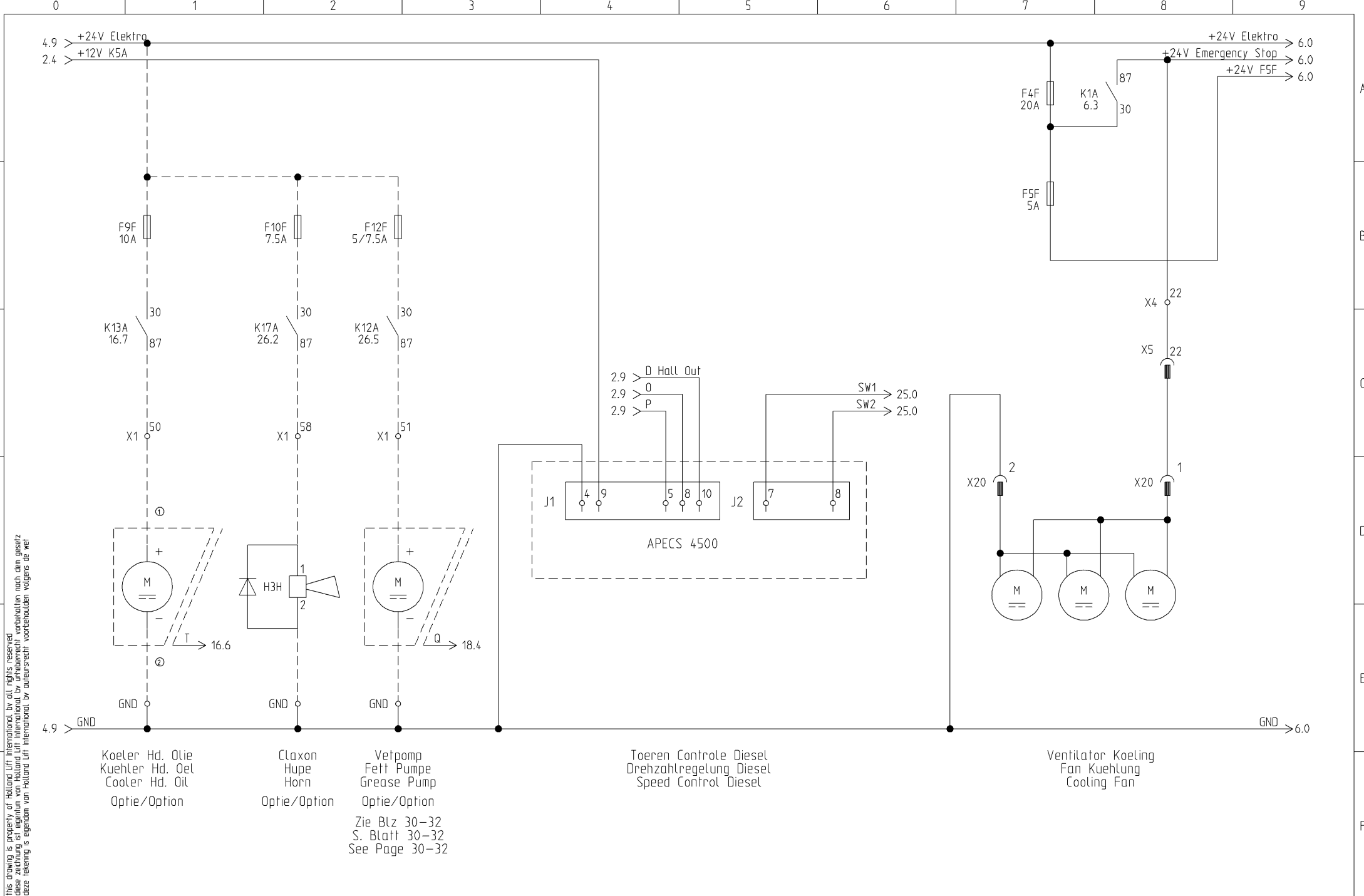
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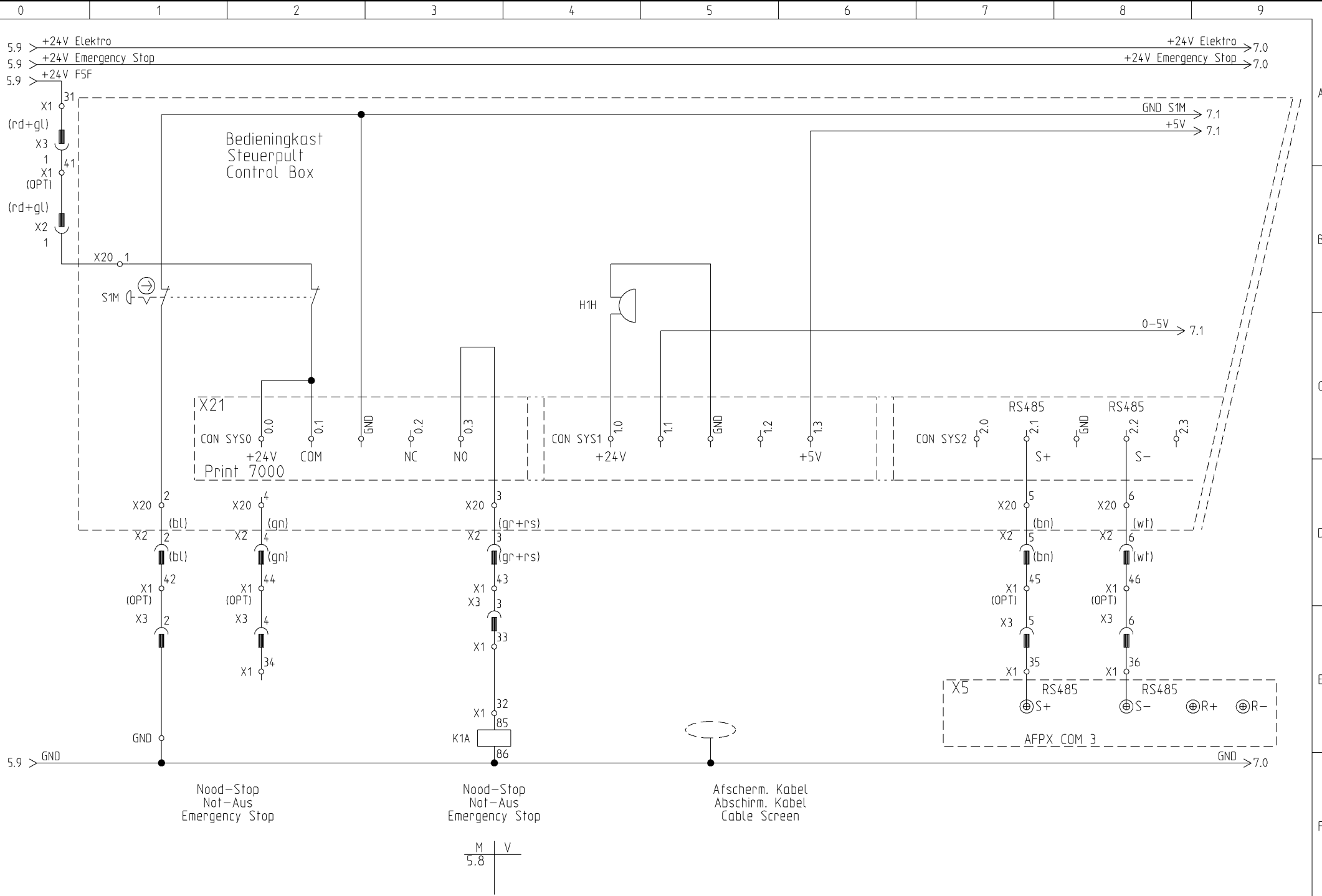


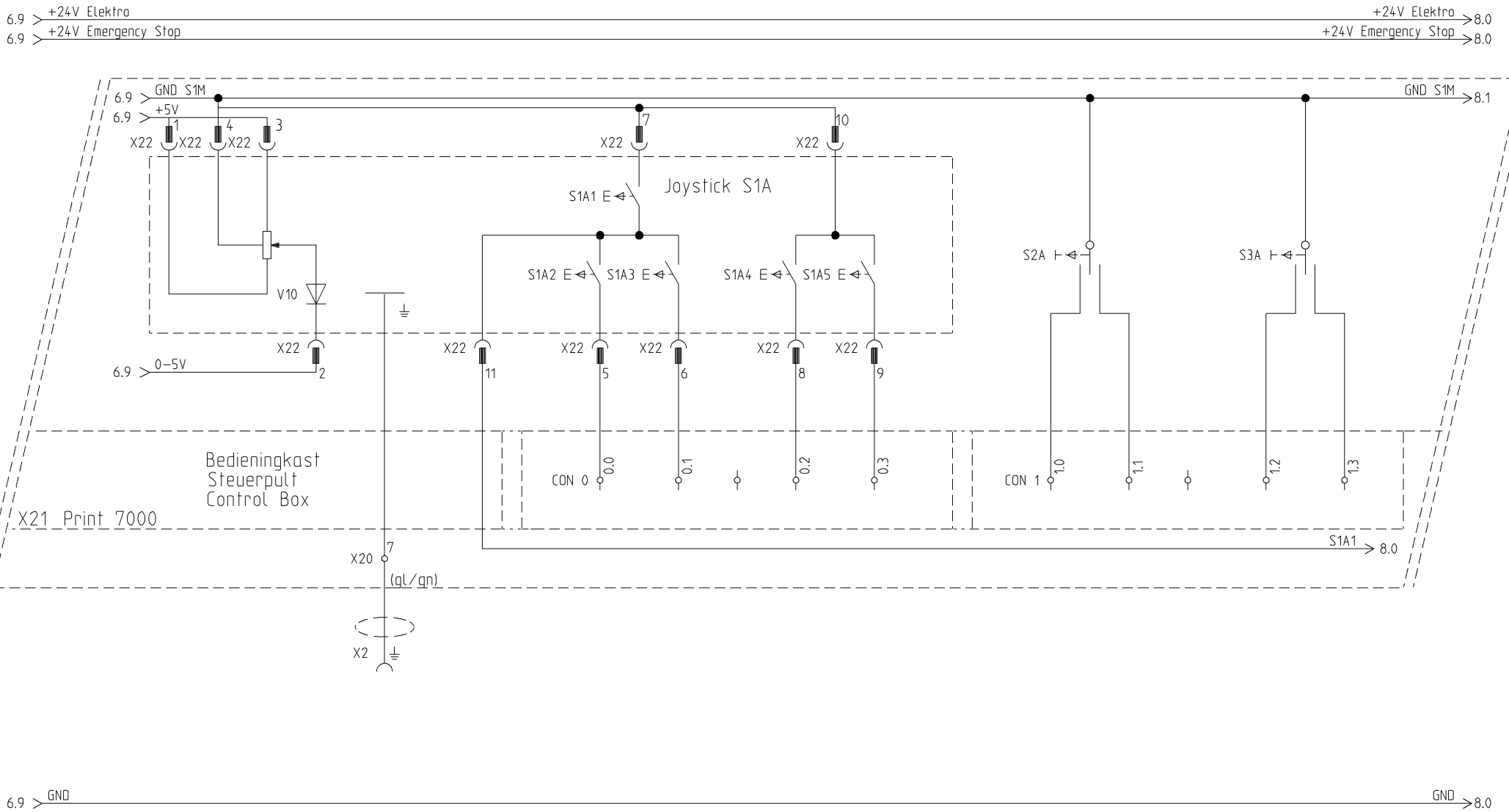
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Bedieningkast
Steuerpult
Control Box

X21 Print 7000

Joystick S1A

S1A1 Dodemansknop
S1A1 Totmansknop
S1A1 Dead Man,s Button

Op-Joysick-Neer
Auf-Joystick-Nieder
On-Joystick-Down

Links-Sturen-Rechts
Links-Lenken-Rechts
Left-Steering-Right

Claxon-Sign.gever
Hupe-Signalgeber
Horn-Signal

Sper/Diff
Sperr/Diff
Stip/Diff

Heffen/Dalen
Heben/Senken
Lift Up/Lift Down

Rijden/Sturen
Fahren/Lenken
Driving/Steering

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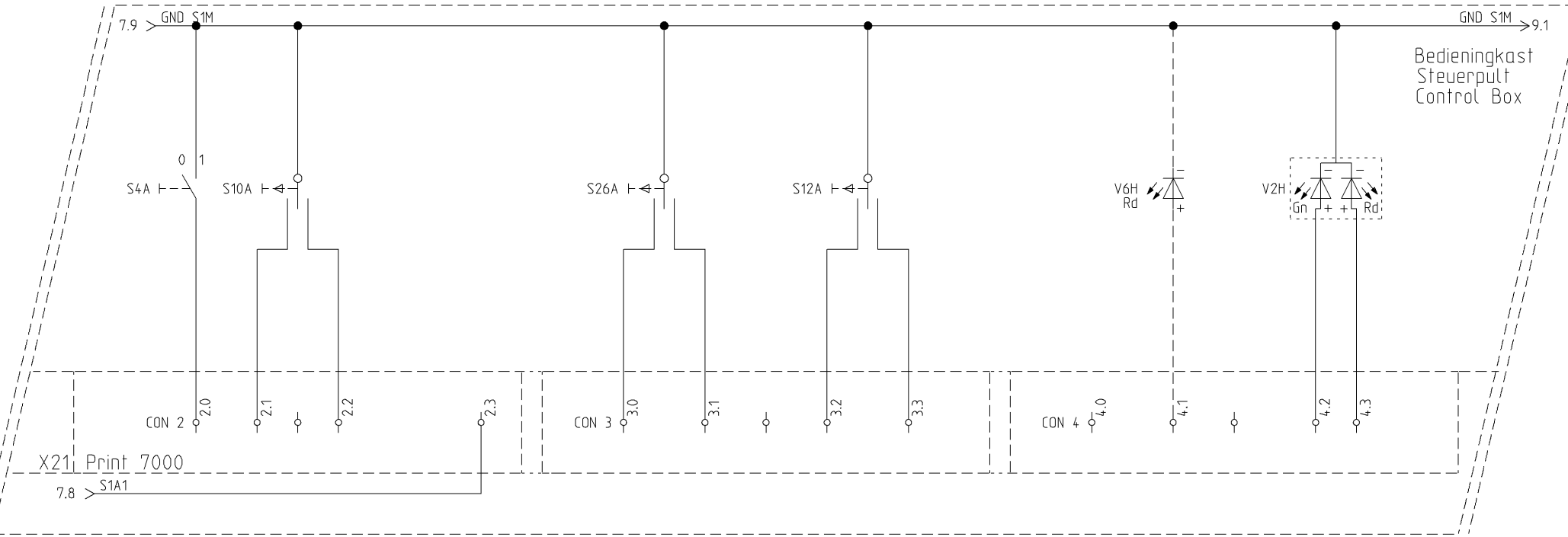
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STROMLAUFPLAN
CIRCUIT DIAGRAM

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Datum:	24.08.2016	Anlage:	Ort:	=	Blatt:	7

7.9 > +24V Elektro
7.9 > +24V Emergency Stop

+24V Elektro > 9.0
+24V Emergency Stop > 9.0



Bedieningkast
Steuerpult
Control Box

X21, Print 7000

S4A

0	=	Langzaam	Langsam	Slow
1	=	Snel	Schnell	Fast

V2H

gn:	Scheef. 1 & 2 OK	gl:	Scheef. 2 net OK	rd:	Scheef. 1 & 2 net OK
gn:	Neigung 1 & 2 OK	gl:	Neigung 2 nicht OK	rt:	Neigung 1 & 2 nicht OK
gn:	Tilt 1 & 2 OK	yl:	Tilt 2 not OK	rd:	Tilt 1 & 2 not OK

7.9 > GND

GND > 9.0

Snelheid
Geschwindigkeit
Speed

In-Plattform-Uit
Ein-Plattform-Aus
In-Plattform-Out

S1A1 Dodemansknop
S1A1 Totmansknopf
S1A1 Dead Man's Button

Hybrid Elektro
— Mode —

4xN-Stempels-Autom. Niveleer
4xN-Stuetzen-Autom. Nivel.
4xN-Jack-Autom. Nivel

Generator/Onformer aan
Generator/Umformer ein
Generator/Converter on
Optie/Option

Scheefstand
Neigung
Grade/Slope

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Datum:
24.08.2016

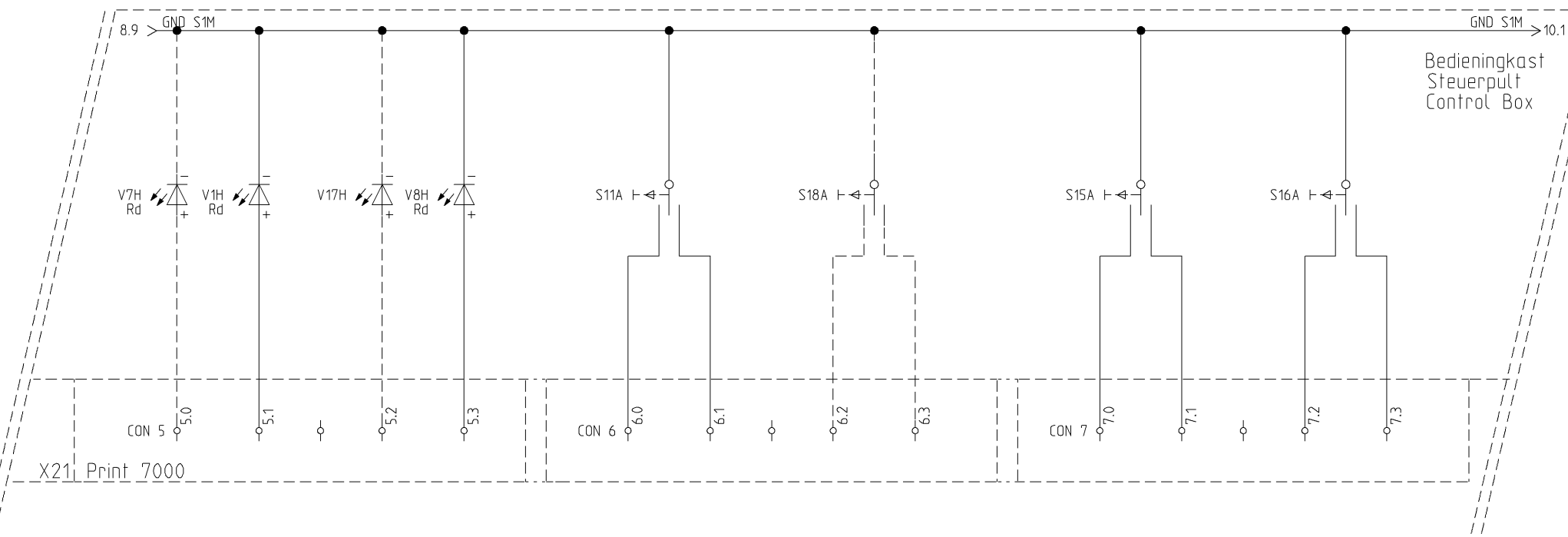
Antage:
=

Ort:
+

Blatt:
8

8.9 > +24V Elektro
 8.9 > +24V Emergency Stop

+24V Elektro > 10.0
 +24V Emergency Stop > 10.0



8.9 > GND

GND > 10.0

Vetpomp Fett Pumpe Grease Pump	Overload Ueberlastung Overload	Plattform in Plattform ein Plattform in	Tank leeg Tank leer Tank empty	Start - Motor - Stop Start - Motor - Halt Start - Engine - Stop	Aan Generator/Omformer Uit An Generator/Umformer Aus On Generator/Converter Off	LA in LH ein LR in	LA uit LH aus LR out	RA in RH ein RR in	RA uit RH aus RR out
Optie/Option	Optie/Option				Optie/Option	Stempels-Stuetzen-Jacks		Stempels-Stuetzen-Jacks	

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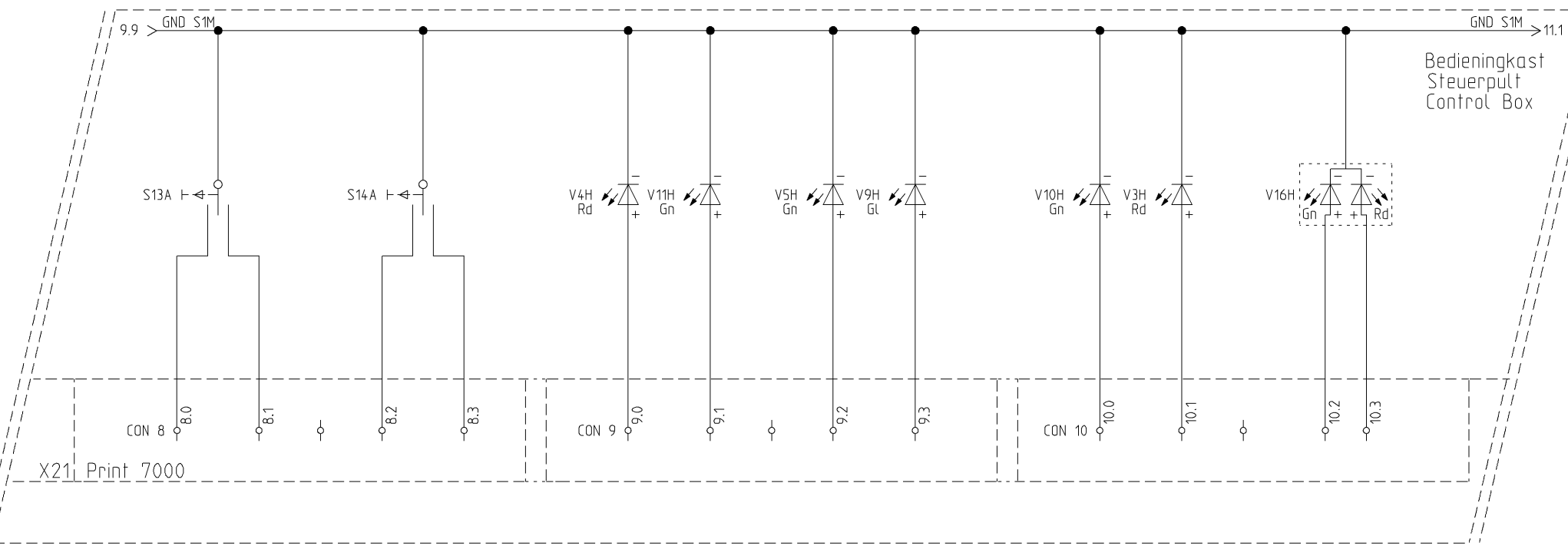
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9.9 > +24V Elektro
 9.9 > +24V Emergency Stop

+24V Elektro > 11.0
 +24V Emergency Stop > 11.0



9.9 > GND

GND > 11.0

LV in LV ein LF in	LV uit LV aus LF out	RV in RV ein RF in	RV uit RV aus RF out	Pendelas Horizontaal Pendel Achse Hor. Oscillating Axle Hor.	Stempels in Stuetzen ein Jacks in	Stempels uit Stuetzen aus Jacks out	Autom. Niv. Autom. Niv. Autom. Niv.	In Bedrijf In Betrieb Run	Storing Stoerung Failure	Accu geladen Akku geladen Battery loaded	Accu leeg Akku leer Battery empty
--------------------------	----------------------------	--------------------------	----------------------------	--	---	---	---	---------------------------------	--------------------------------	--	---

Stempels-Stuetzen-Jacks Stempels-Stuetzen-Jacks

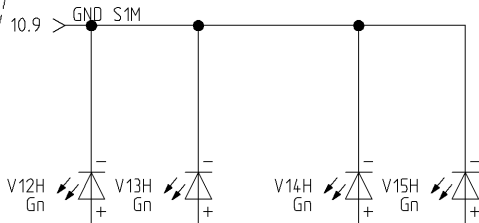
Diesel Motor

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10.9 > +24V Elektro
 10.9 > +24V Emergency Stop

+24V Elektro > 12.0
 +24V Emergency Stop > 12.0

Bedieningkast
 Steuerpult
 Control Box



X21, Print 7000

10.9 > GND

GND > 12.0

Rijden/Sturen Heffen/Dalen Hybrid Elektrisch
 Fahren/Lenken Heben/Senken Hybrid Elektro
 Driving/Steering Lift Up/Lift Down Hybrid Electric

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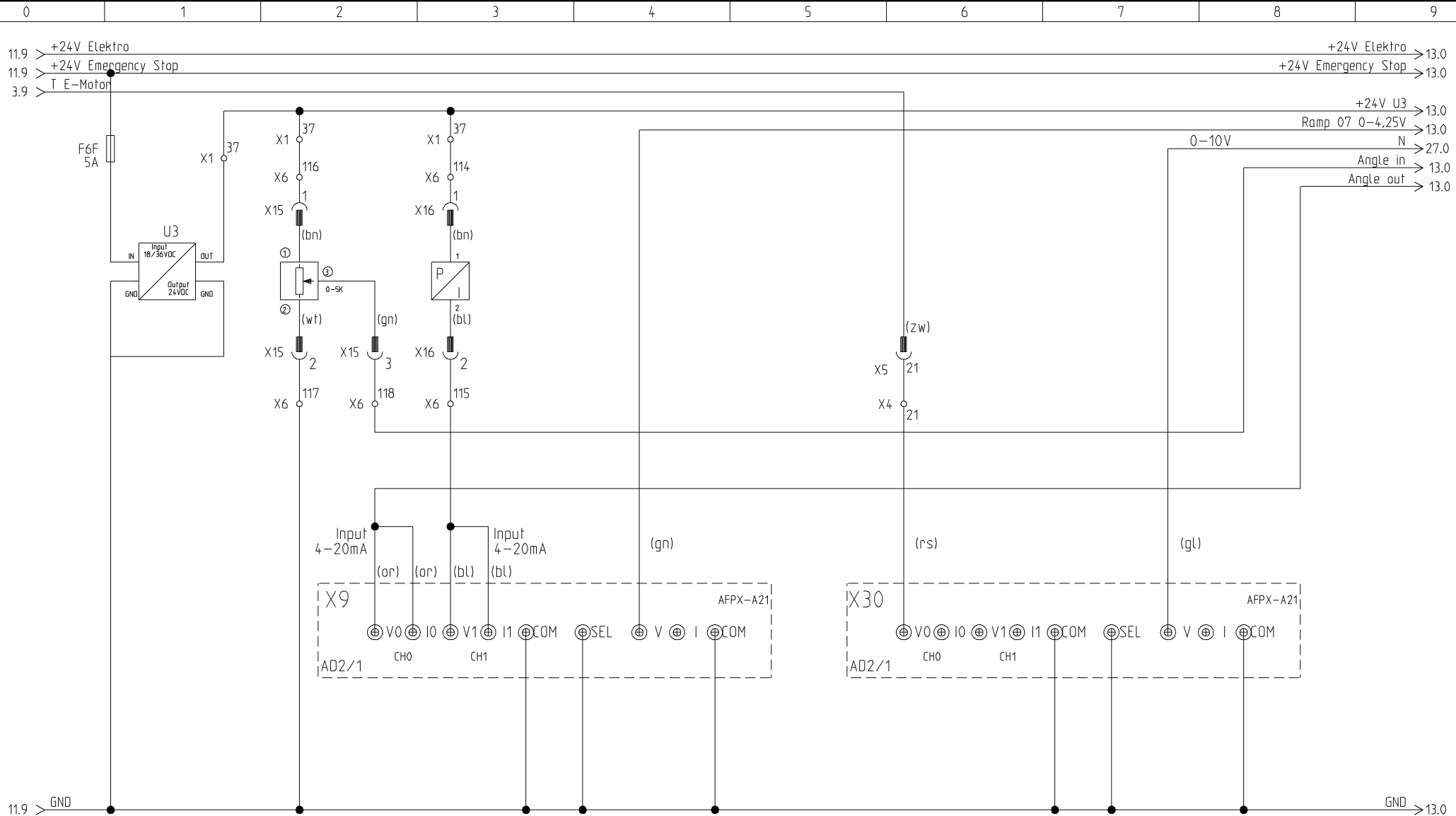
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Antage: =

Ort: +

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Hoekmeting
Winkel Messung
Angle Measuring

Druk Meting
Druck Messung
Pressure Measuring

Prop. Ventel
Prop. Ventil
Prop. Valve

Temp. E-Motor

Mosfet Regeling
0-10V



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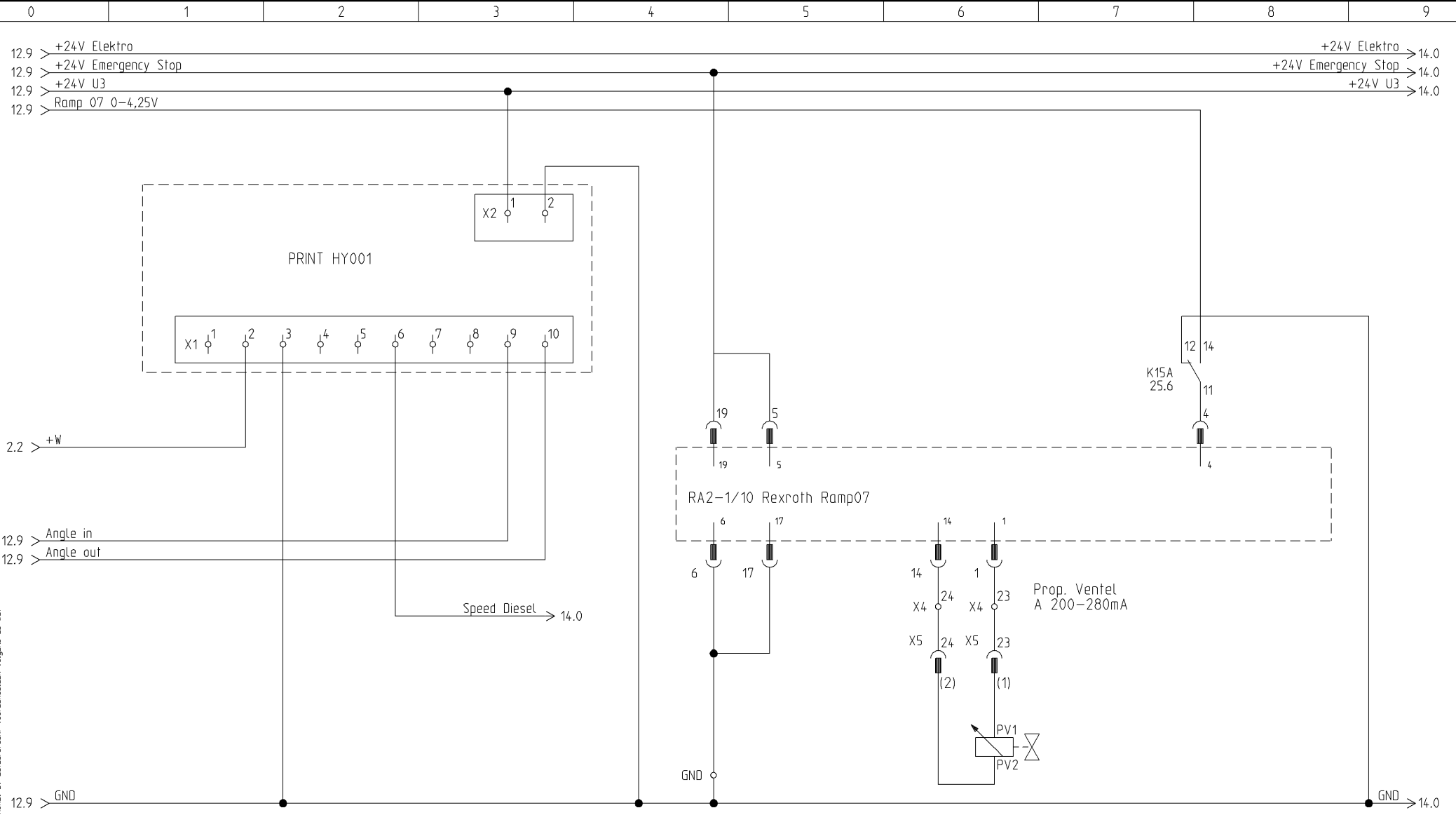
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Zeichnungsnummer:
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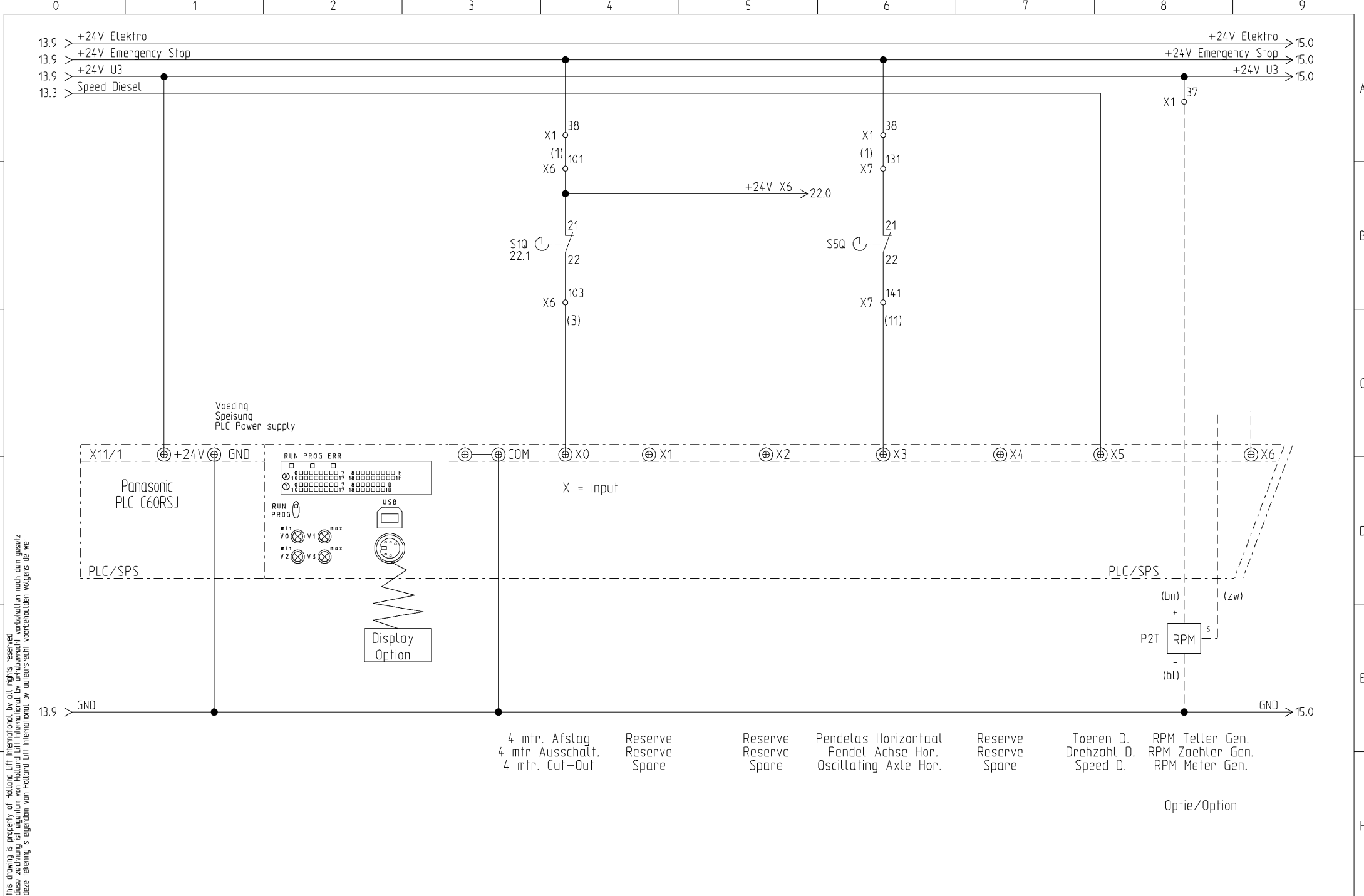
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 Ort: +

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 Blatt:
 12

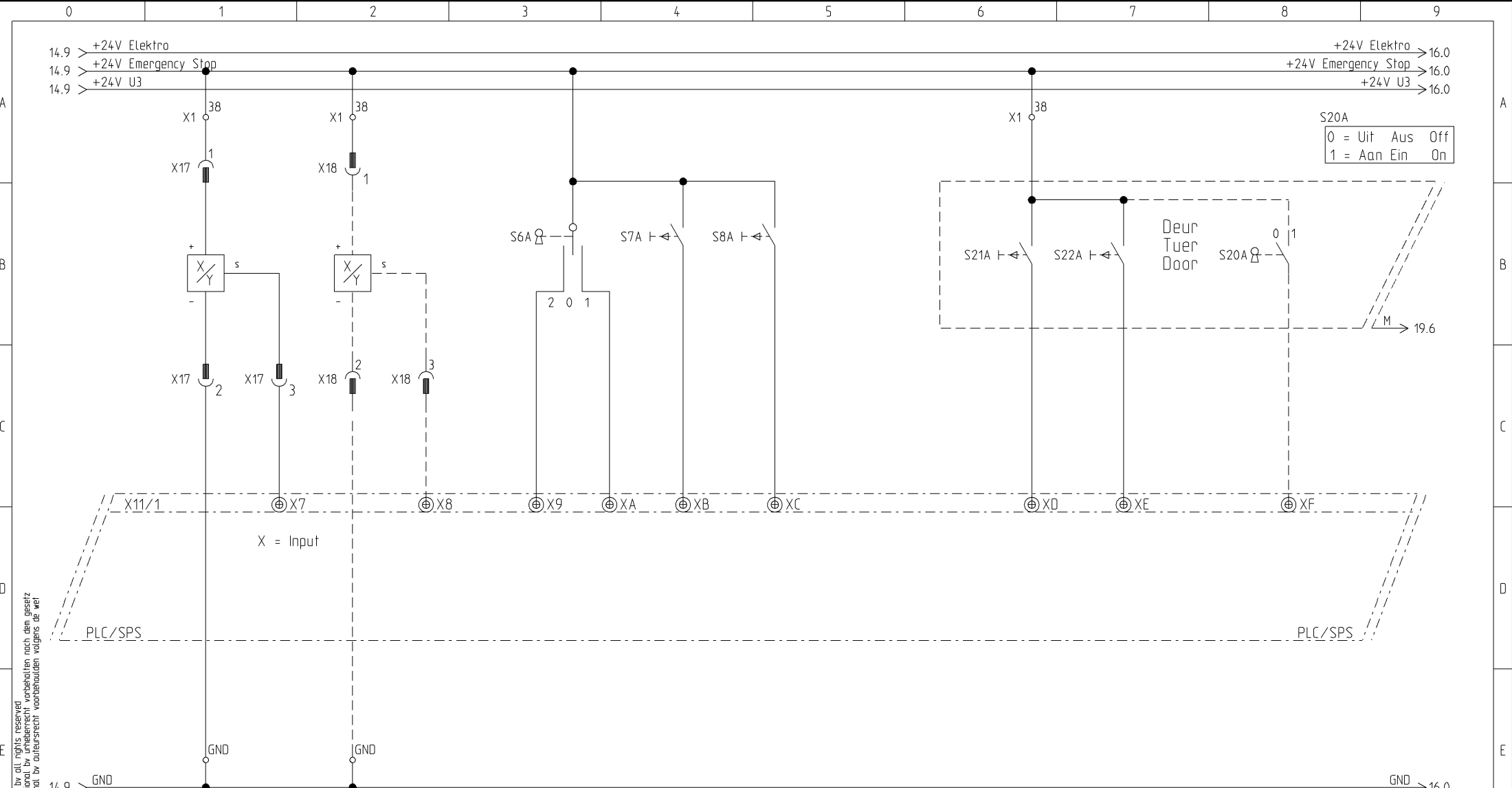
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Rijden/Heffen/Plattform/Stempels/Gen.
 Fahren/Heben/Plattform/Stuetzen/Gen.
 Driving/Lift Up/Platform/Jacks/Gen.



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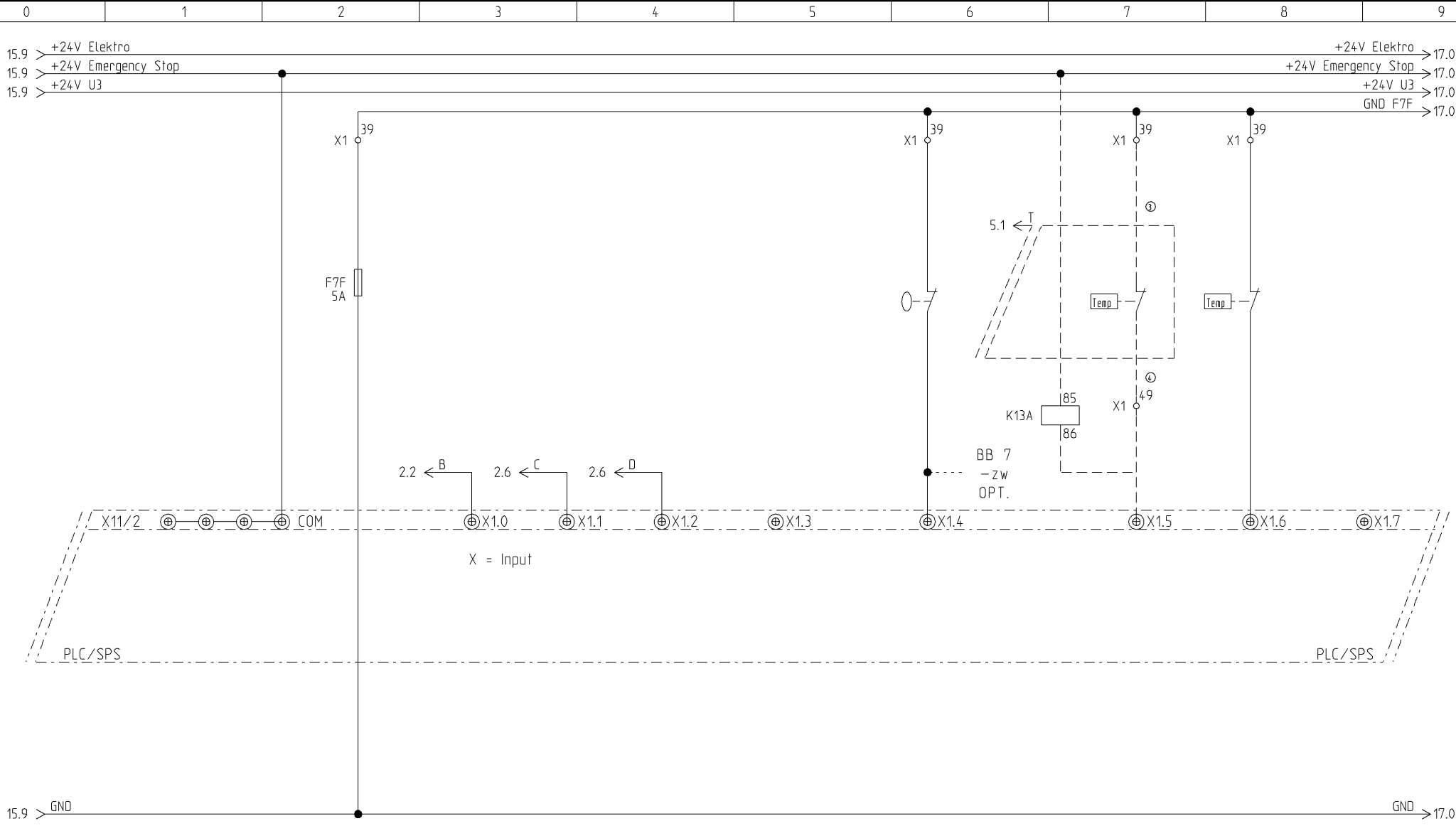


S20A
 0 = Uit Aus Off
 1 = Aan Ein On

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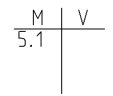
Scheefstand 1 Neigung 1 Grade/Slope 1	Scheefstand 2 Neigung 2 Grade/Slope 2	Progr. Uit Aan Store Progr. Aus An Store Progr. Off On Store	— Overlast—Ueberlastung—Overload —	Start — Motor — Stop Start — Motor — Halt Start — Engine — Stop	Ri. max. Hoogte Fa. max. Hoehe Dr. max. Height
Optie/Option				Optie/Option	

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Dynamo	Oliedruk	Temperatuur	Reserve	Tank leeg	Koeler Hd. Olie	Temp. Hd. Olie	Reserve
Dynamo	Oelddruk	Temperatur	Reserve	Tank Leer	Kuehler Hd. Oel	Temp. Hd. Oel	Reserve
Dynamo	Oilpressure	Temperature	Spare	Tank empty	Cooler Hd. Oil	Temp. Hd. Oil	Spare

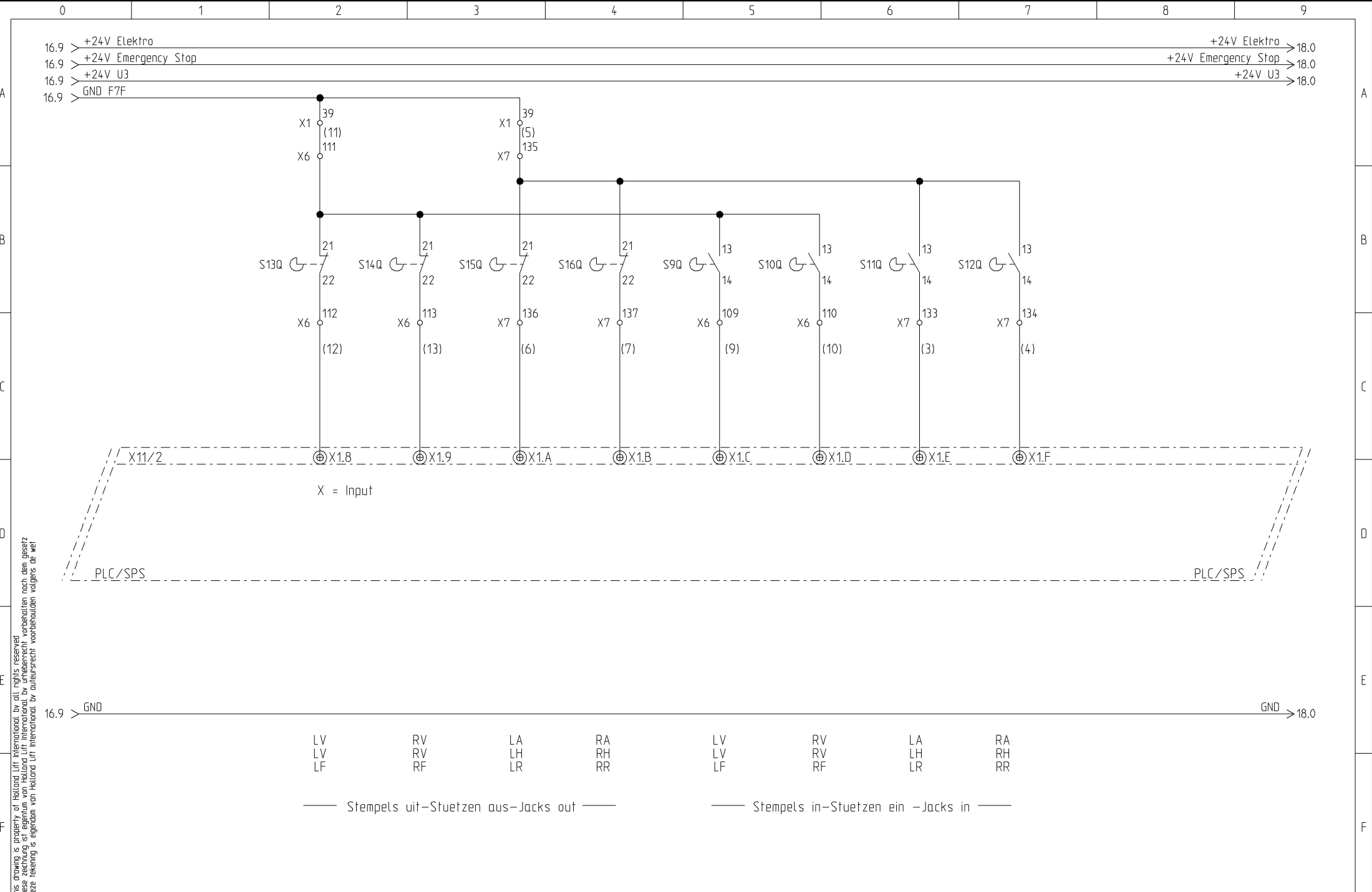
Optie/Option



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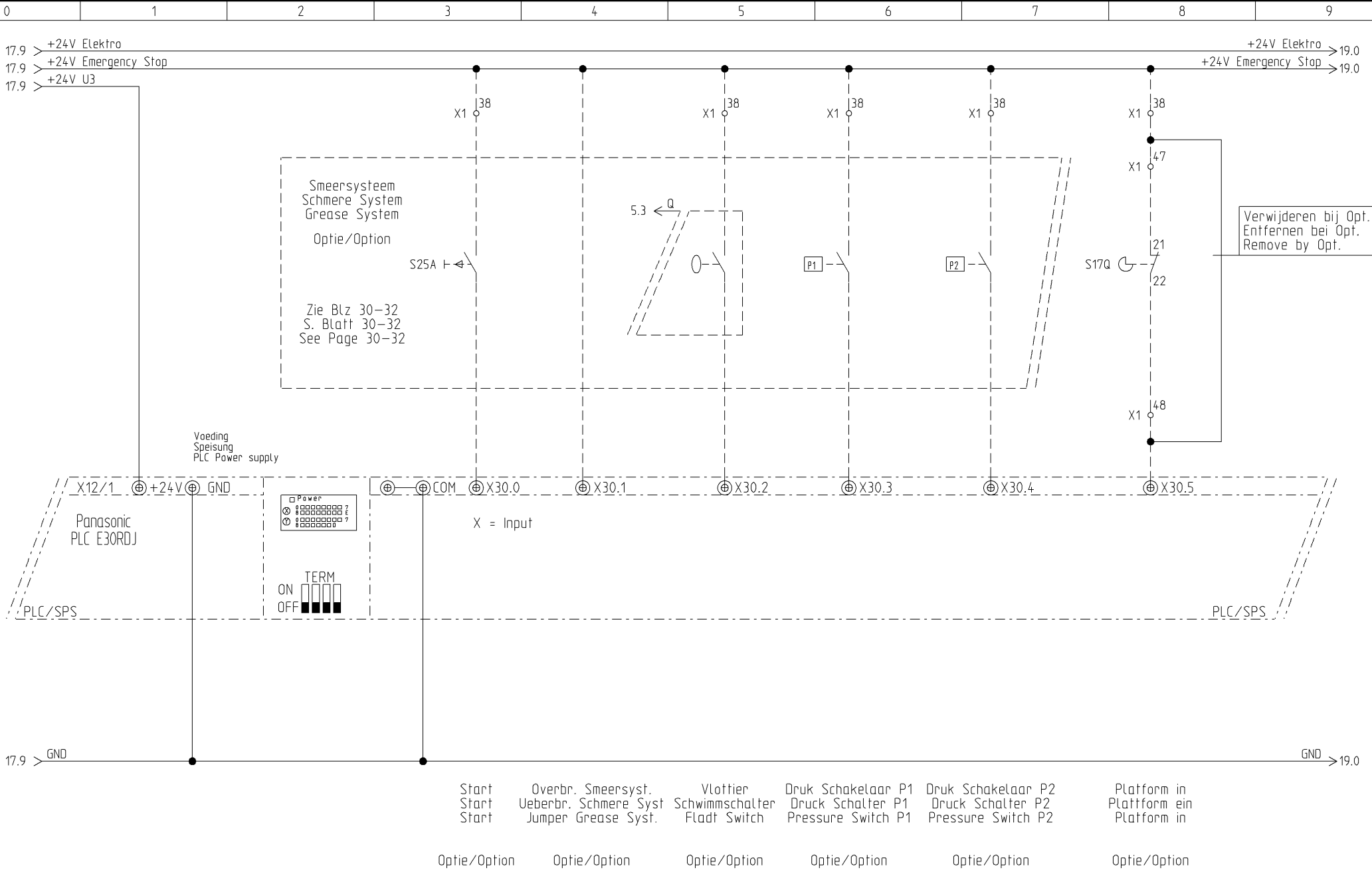


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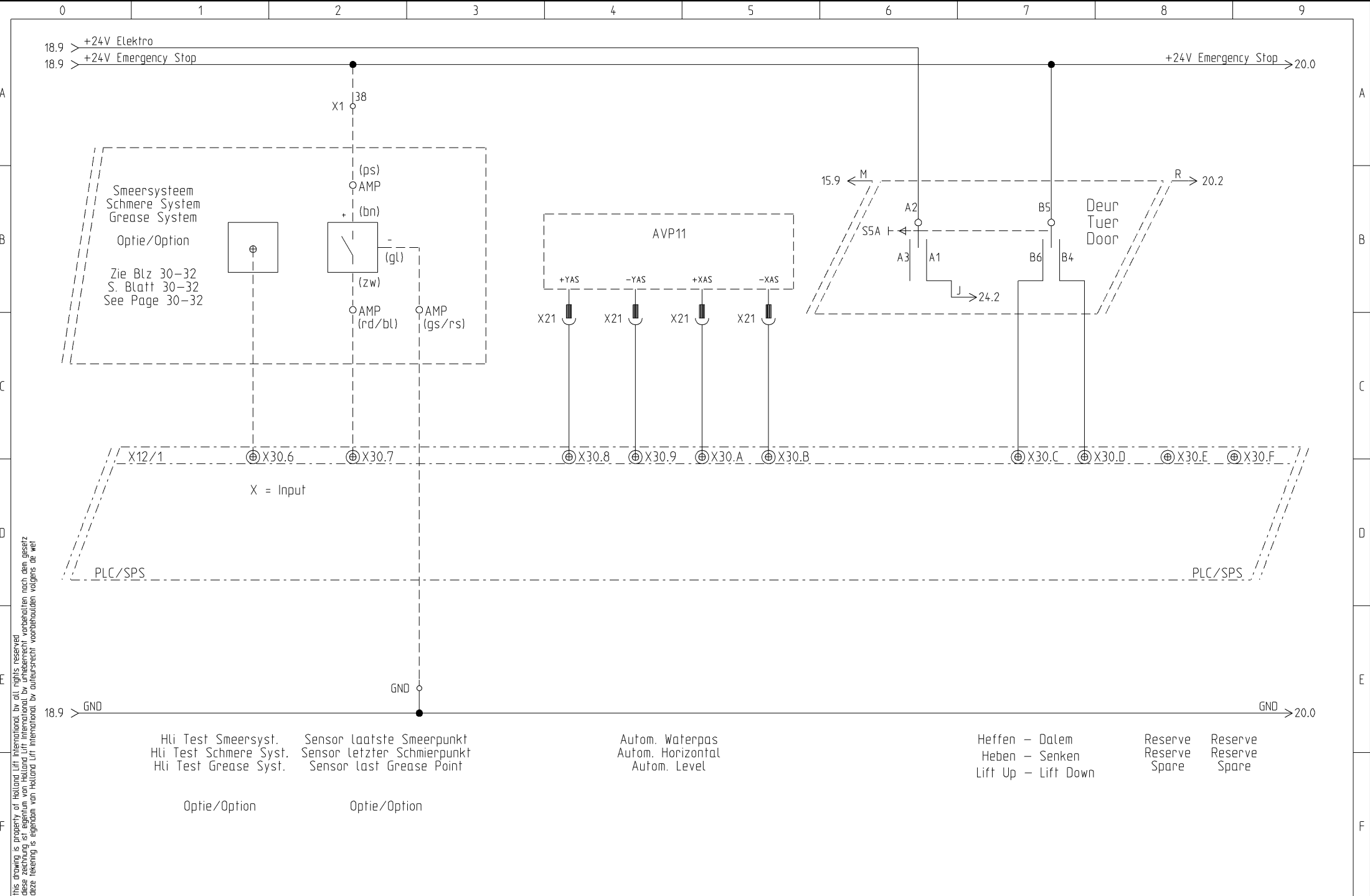
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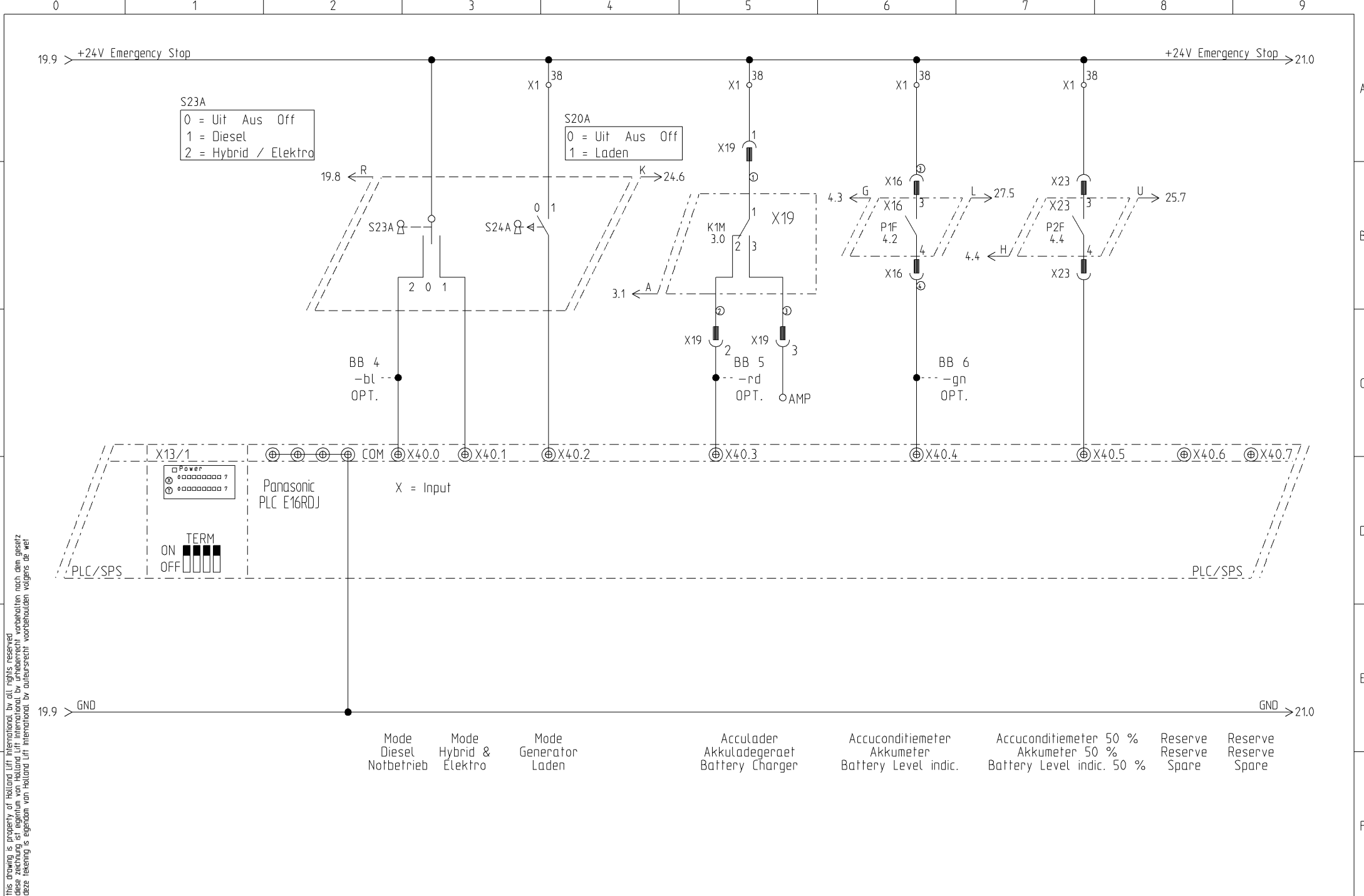
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Start Start Start	Overbr. Smeersyst. Ueberbr. Schmere Syst Jumper Grease Syst.	Vlottier Schwimmsschalter Fladt Switch	Druk Schakelaar P1 Druck Schalter P1 Pressure Switch P1	Druk Schakelaar P2 Druck Schalter P2 Pressure Switch P2	Plattform in Plattform ein Plattform in
	Optie/Option	Optie/Option	Optie/Option	Optie/Option	Optie/Option



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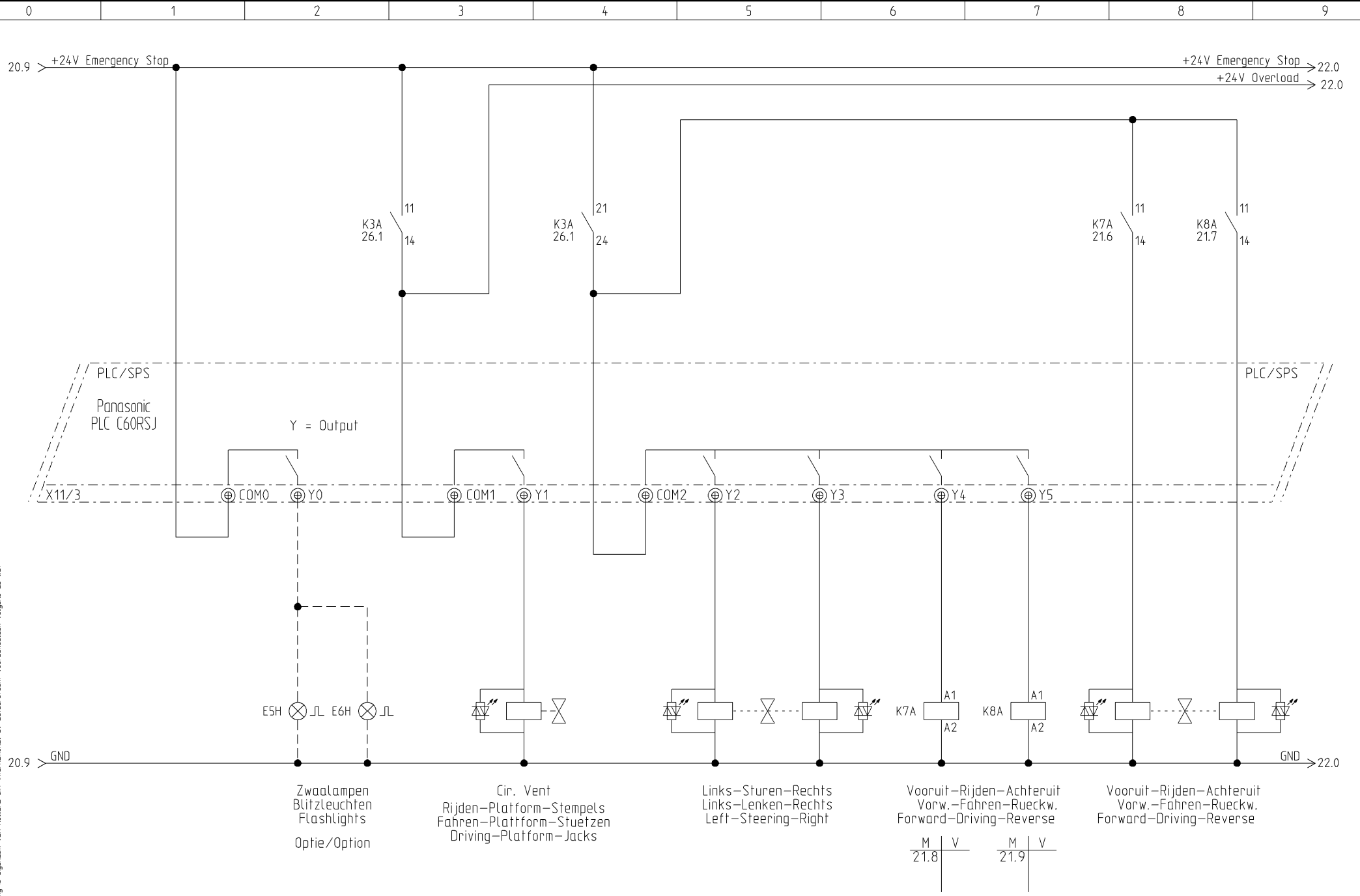


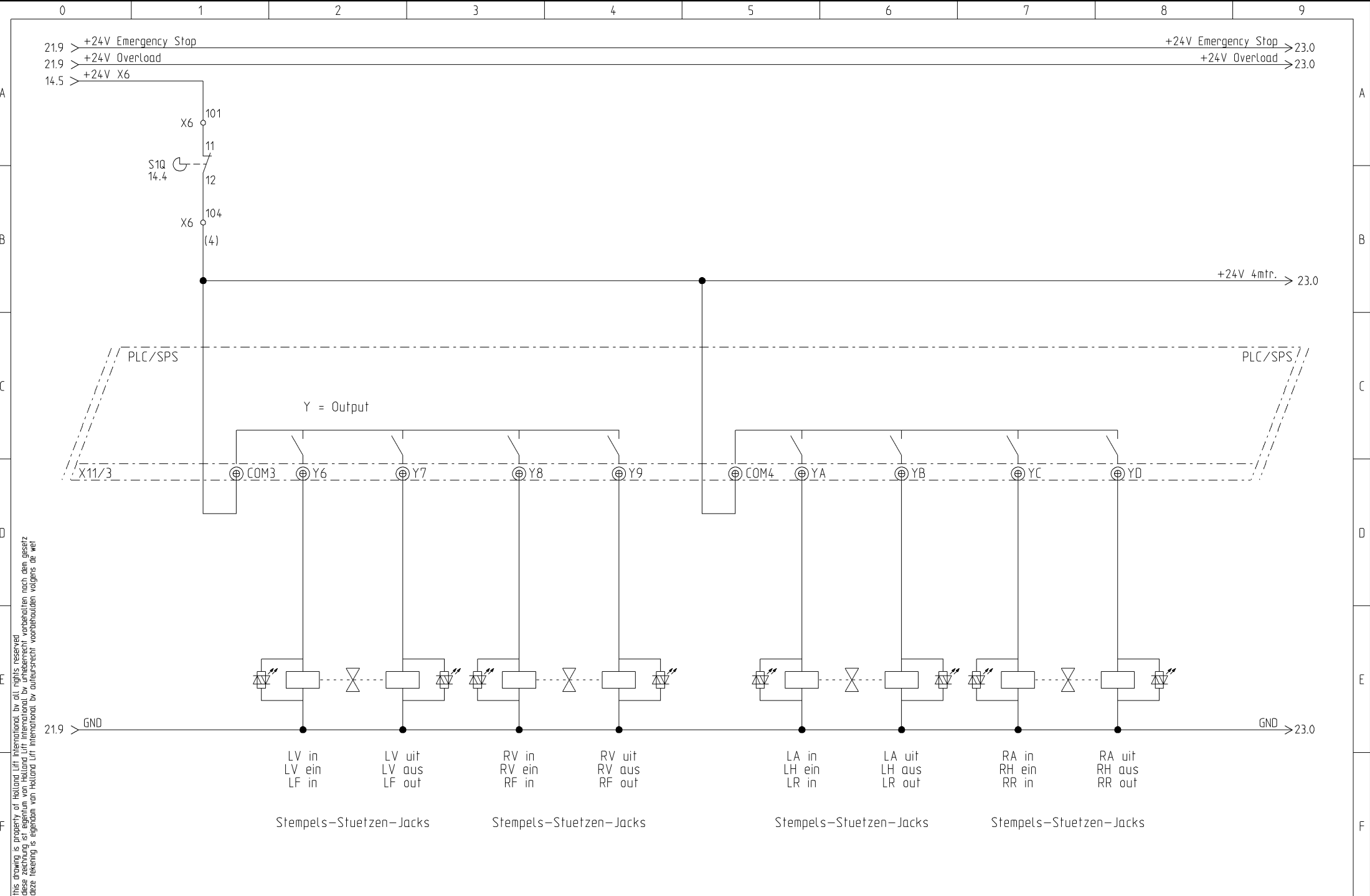
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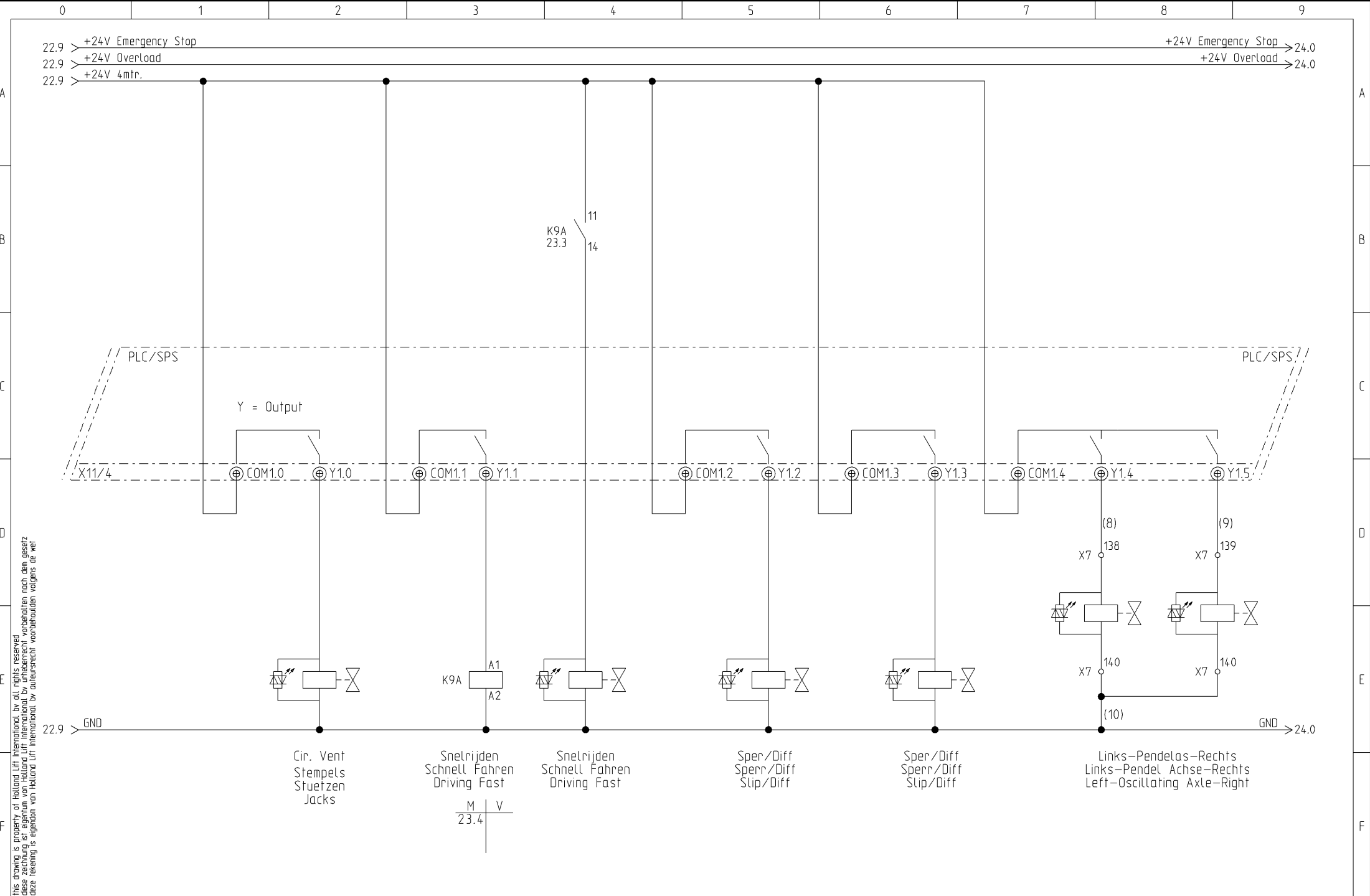
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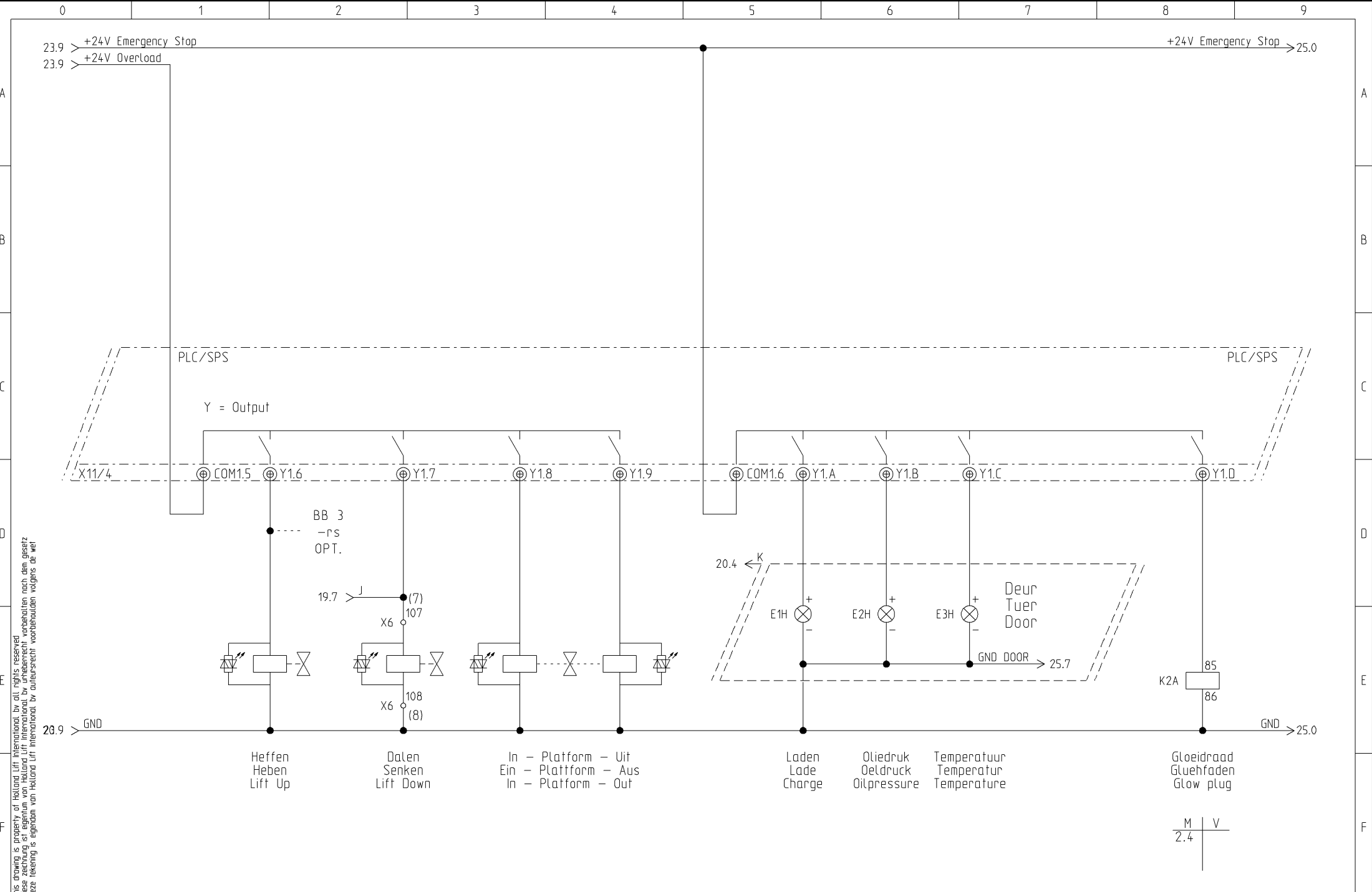
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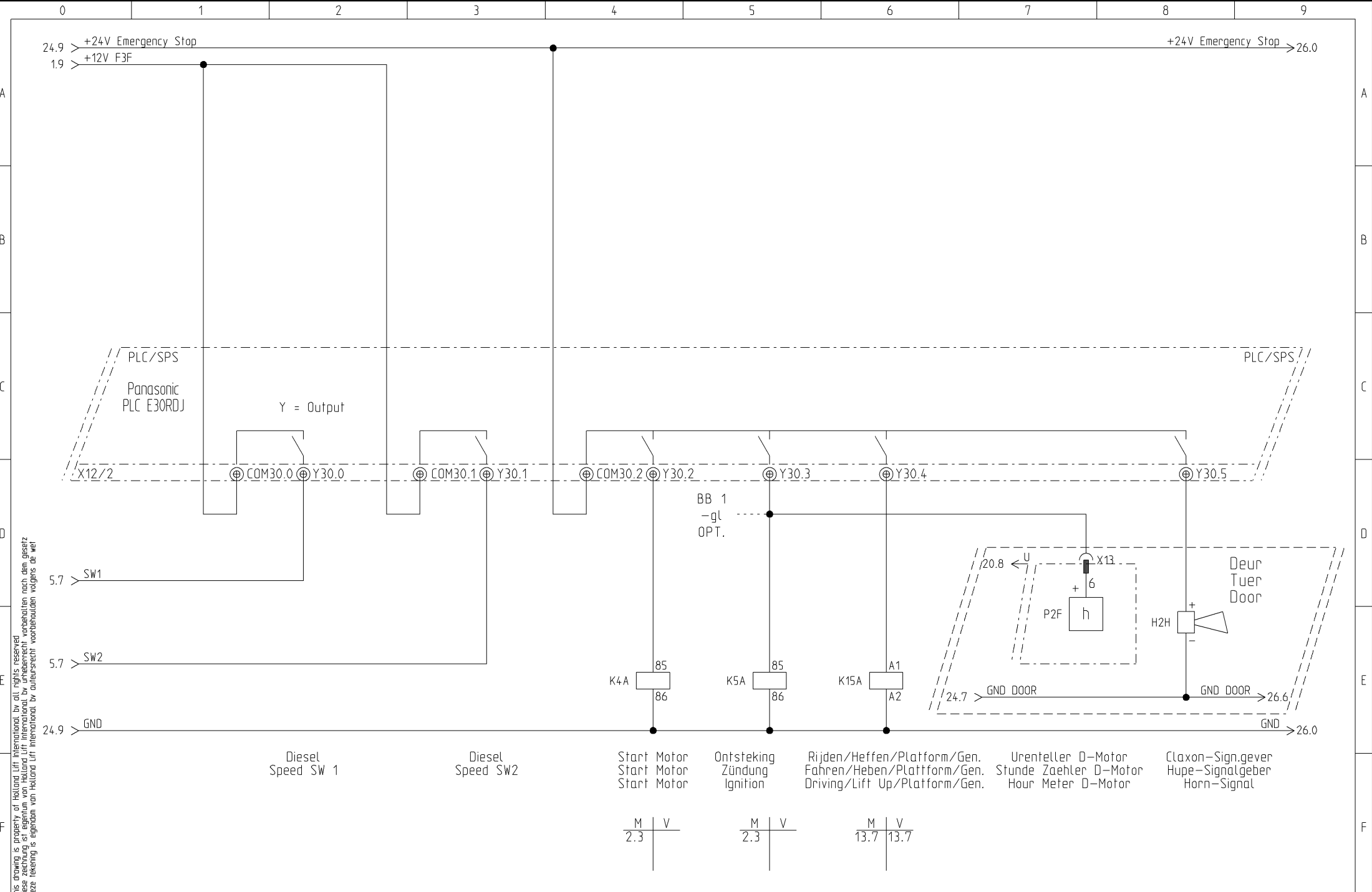
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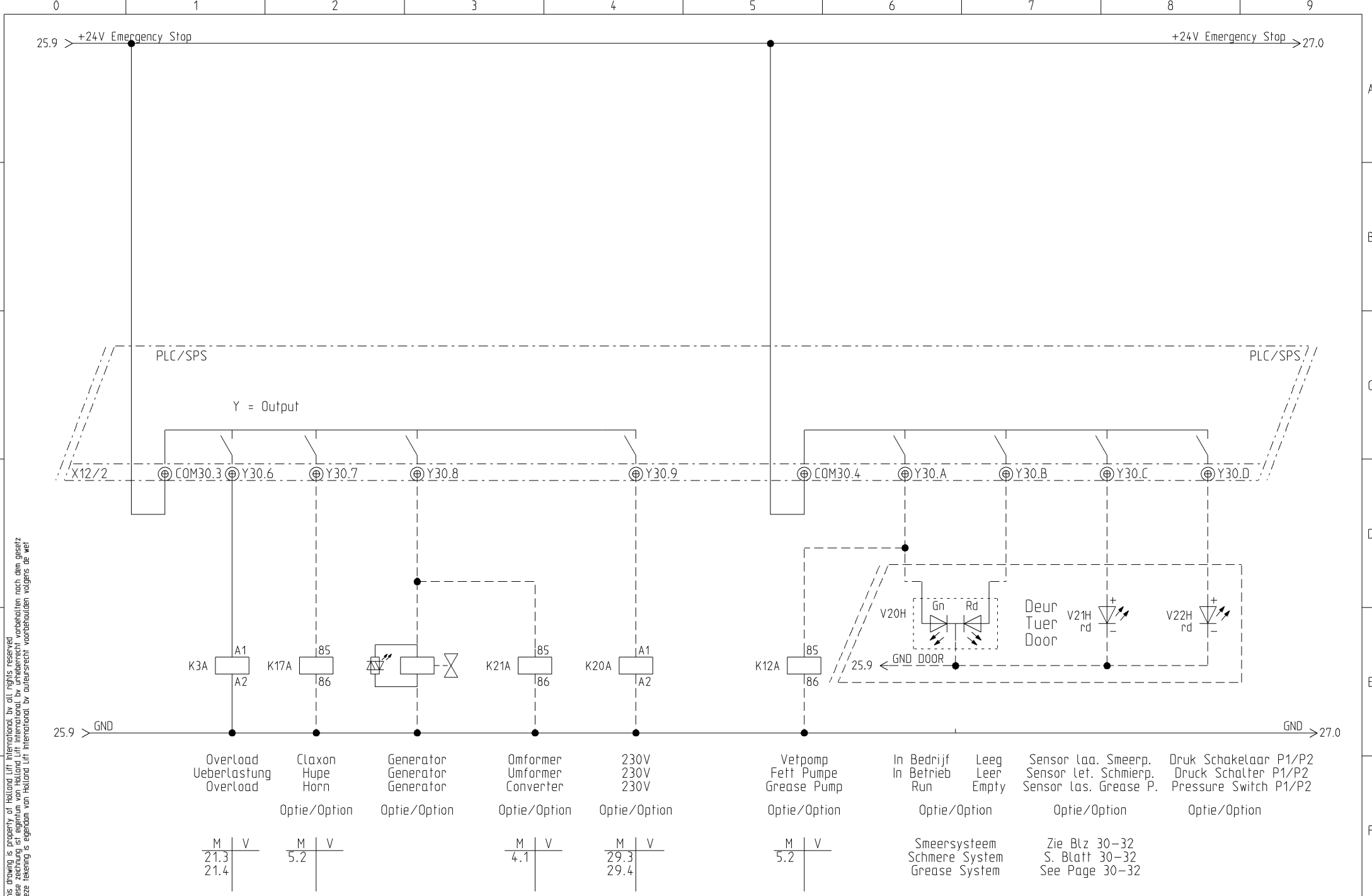
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STROOMKRINGSCHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

Projekt:	EB-22-001	Zeichnungsnummer:	Rev.:	A	erstellt von:	Rothenbusch	
Datum:	24.08.2016	Anlage:	=	Ort:	+	Blatt:	25



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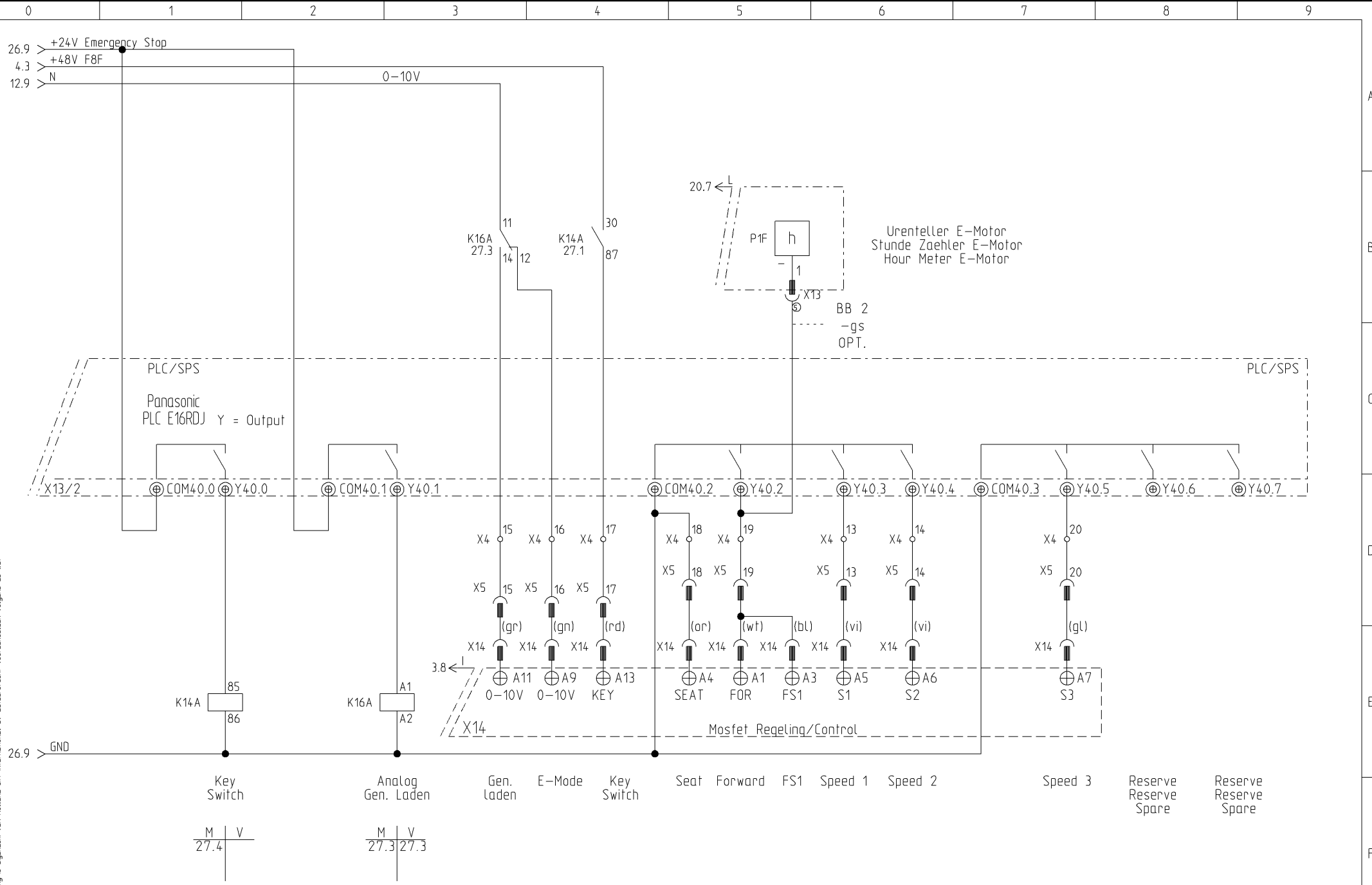


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STROOMKRINGSCHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

Projekt:	EB-22-001	Zeichnungsnummer:	Rev.:	A	erstellt von:	Rothenbusch
Datum:	24.08.2016	Anlage:	Ort:	=	Blatt:	26

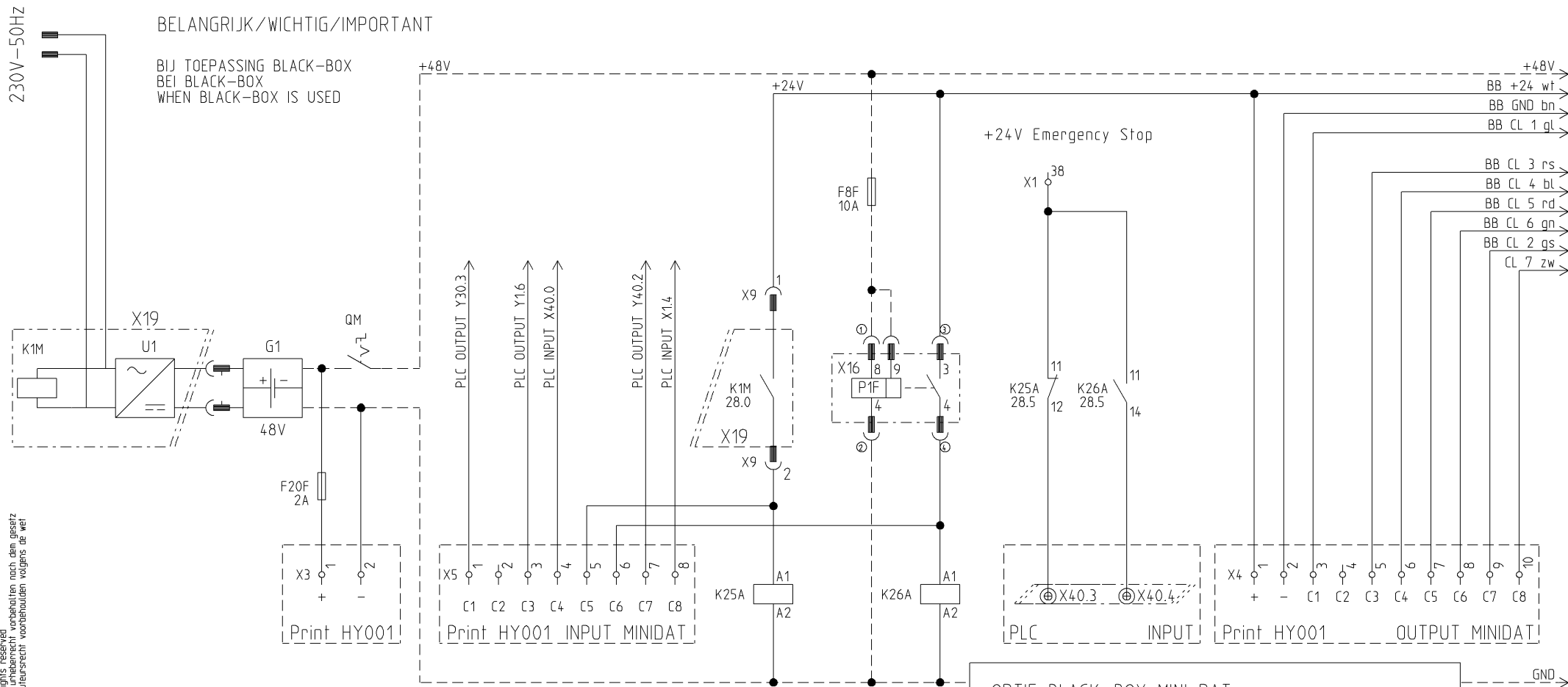
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OPTIES OPTIONEN OPTIONS

BELANGRIJK / WICHTIG / IMPORTANT

BIJ TOEPASSING BLACK-BOX
BEI BLACK-BOX
WHEN BLACK-BOX IS USED



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Acculader
Akkuladegeraet
Battery Charger

Accuconditiometer
Akkumeter
Battery Level indic.

OPTIE BLACK-BOX MINI DAT
OPTION BLACK-BOX MINI DAT
OPTION BLACK-BOX MINI DAT

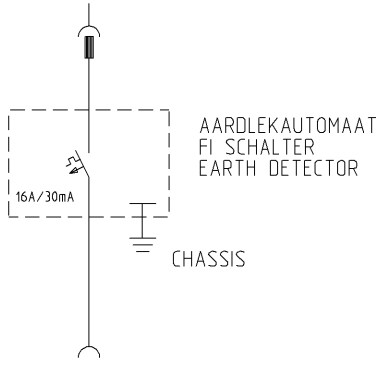
BB-wt	+24V DC	+24V DC	+24V DC	+24V DC
BB-bn	GND	GND	GND	GND
BB-gl	CH1	DIESEL AAN	DIESEL EIN	DIESEL ON
BB-gs	CH2	E-MOTOR AAN	E-MOTOR EIN	E-MOTOR ON
BB-rs	CH3	HEFFEN	HEBEN	LIFT UP
BB-bl	CH4	DIESEL NOT	DIESEL NOT	DIESEL NOT
BB-rd	CH5	LAADTIJD	LADEZEIT	CHARGE TIME
BB-gn	CH6	ACCU LEEG	AKKU LEER	BATTERY EMPTY
BB-zw	CH7	TANK LEEG	TANK LEER	TANK EMPTY
BB-vi	CH8	RESERVE	RESERVE	RESERVE

OPTIES
OPTIONEN
OPTIONS

230V AANSLUITING PLATFORM
230V ANSCHLUSS PLATTFORM
230V SUPPLY PLATFORM

<230VPLF>

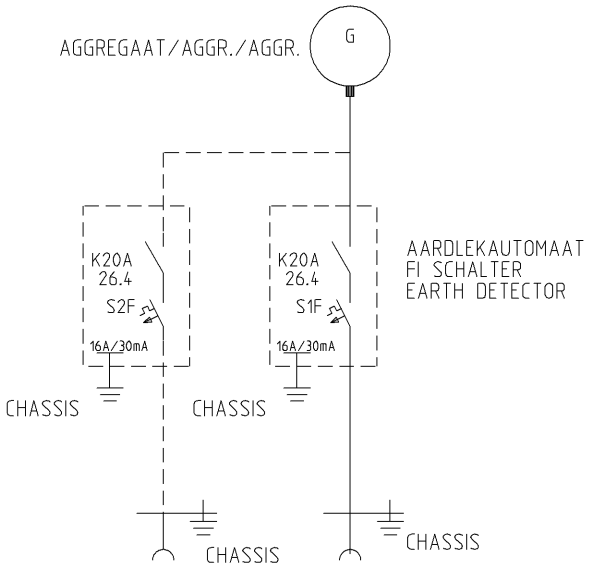
230V-50Hz/115V-50Hz



230V AANSLUITING PLATFORM
230V ANSCHLUSS PLATTFORM
230V SUPPLY PLATFORM

<230V-GEN>

230V-50Hz/115V-50Hz



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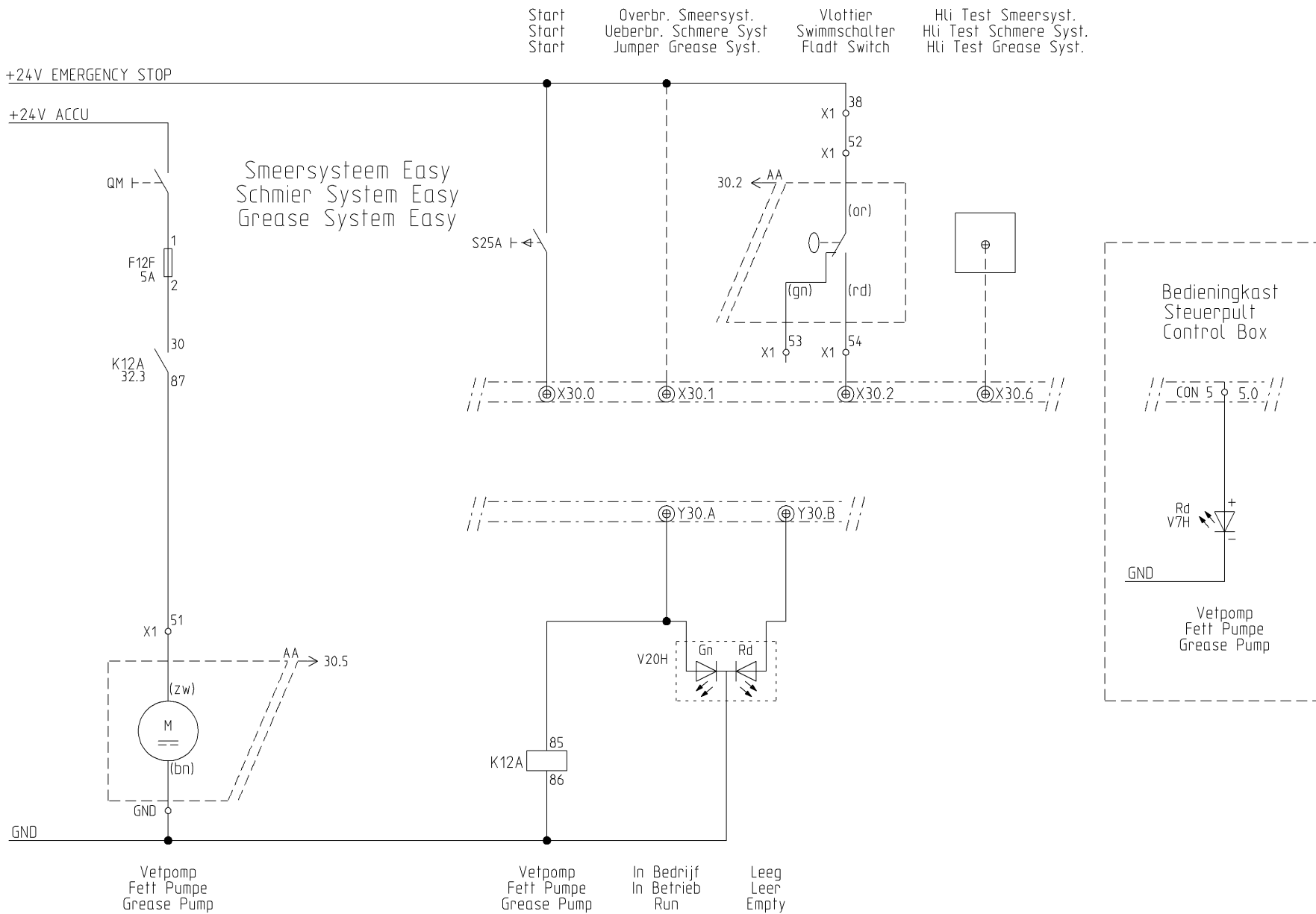


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OPTIES
OPTIONEN
OPTIONS

Projekt:	EB-22-001	Zeichnungsnummer:	Rev.:	A	erstellt von:	Rothenbusch	
Datum:	24.08.2016	Antage:	=	Ort:	+	Blatt:	29

OPTIES OPTIONEN OPTIONS



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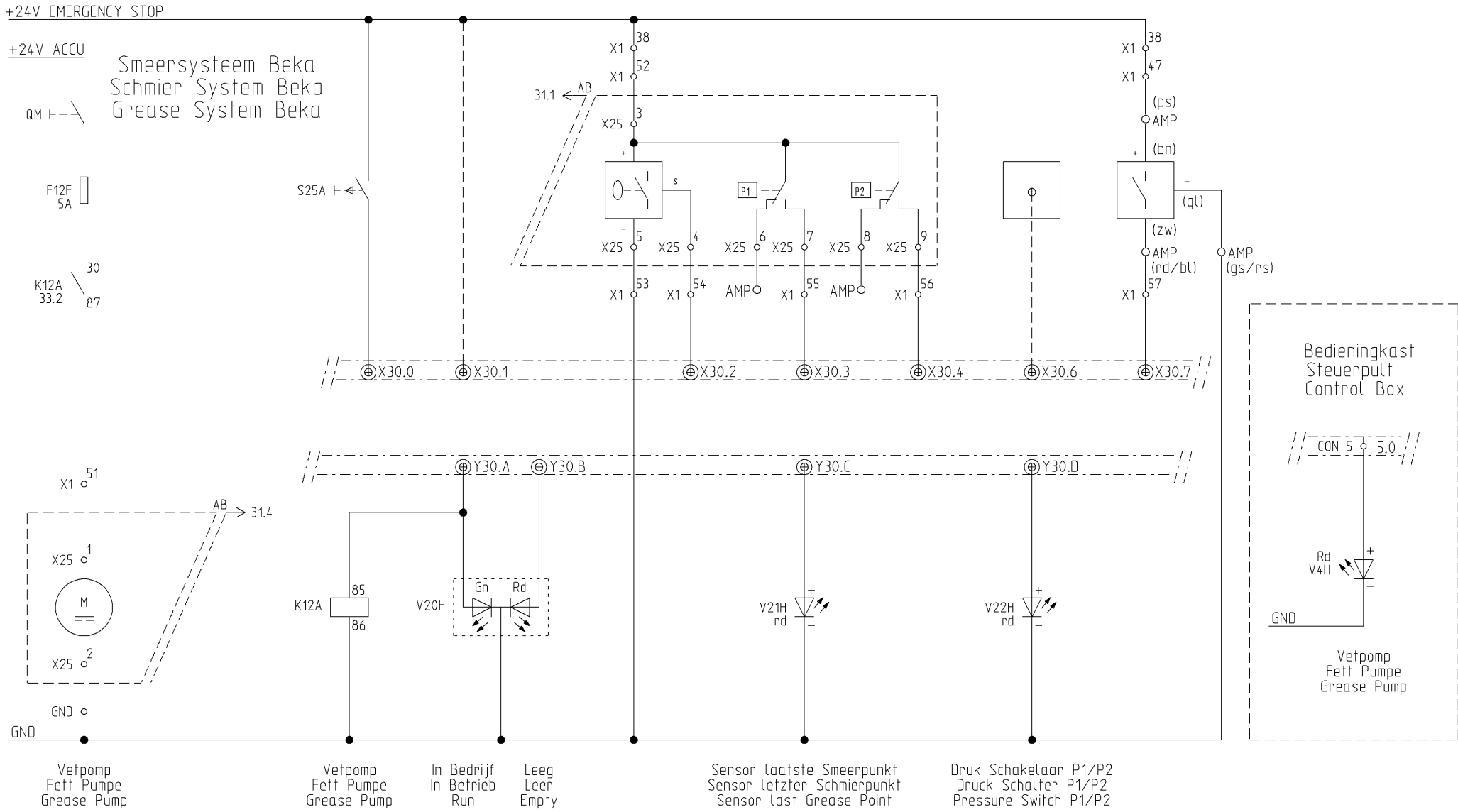
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OPTIES
 OPTIONEN
 OPTIONS

Projekt:	EB-22-001	Rev.:	A
Datum:	24.08.2016	erstellt von:	Rothenbusch
Zeichnungsnummer:		Blatt:	30
Anlage:	=	Ort:	+

OPTIES OPTIONEN OPTIONS

Start Start Start Overbr. Smeersyst. Ueberbr. Schmere Syst. Jumper Grease Syst. Vlottier Swimmerschalter Fladt Switch Onderwagen P1 Chassis P1 Schaar P2 Schere P2 Scissor P2 Hli Test Smeersyst. Hli Test Schmere Syst. Hli Test Grease Syst. Sensor laatste Smeerpunt Sensor letzter Schmierpunkt Sensor Last Grease Point



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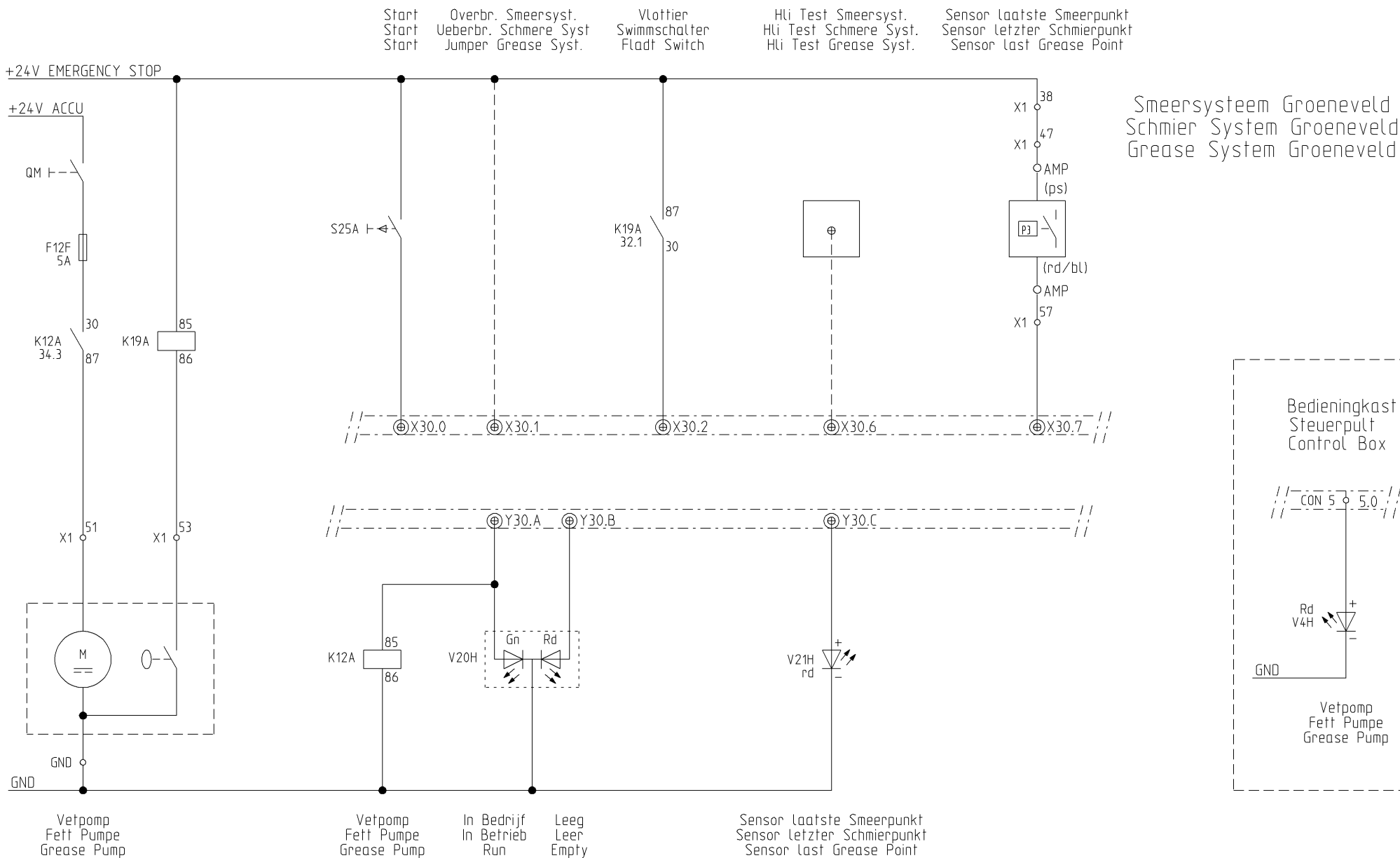


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OPTIES
OPTIONEN
OPTIONS

Projekt:	EB-22-001	Zeichnungsnummer:	Rev.:	A	erstellt von:	Rothenbusch
Datum:	24.08.2016	Anlage:	=	Ort:	+	Blatt:
						31

OPTIES
OPTIONEN
OPTIONS

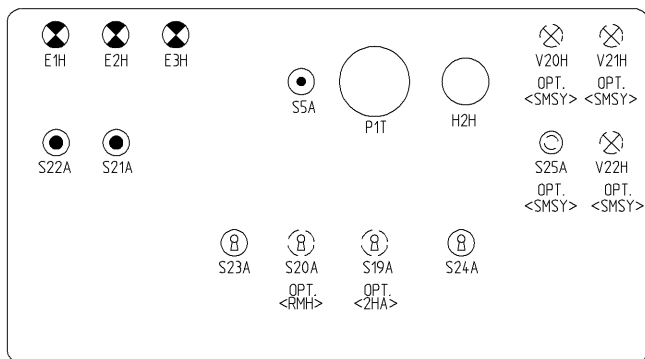


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KLEMMENKAST

KLEMMENKASTEN

CONNECTION BOX



OPT.
<SMSY>

OPT.
<KOE>

OPT.
<PLF>

54			54
53	57	57	53
52	56	56	52
51	55	55	51
	F12F	5A/7.5A	

49	50	50	49
	F10F	10A	

44	48	48	44
43	47	47	43
42	46	46	42
41	45	45	41

40	40	40	40
39	39	39	39
38	38	38	38
38	38	38	38
38	38	38	38
37	37	37	37
33	36	36	33
32	35	35	32
31	34	34	31

X1

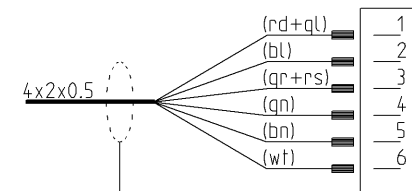
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	F7F	5A	
	F6F	5A	
	F5F	5A	
	F4F	20A	
	F3F	10A	
	F2F	20A	
12	24	24	12
11	23	23	11
10	22	22	10
9	21	21	9
8	20	20	8
7	19	19	7
6	18	18	6
5	17	17	5
4	16	16	4
3	15	15	3
2	14	14	2
1	13	13	1

X4

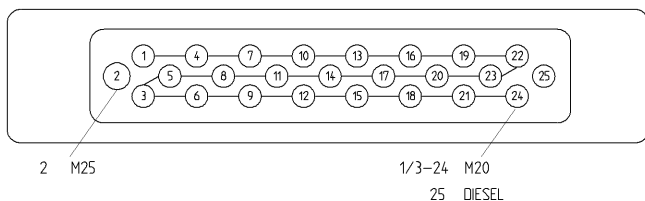
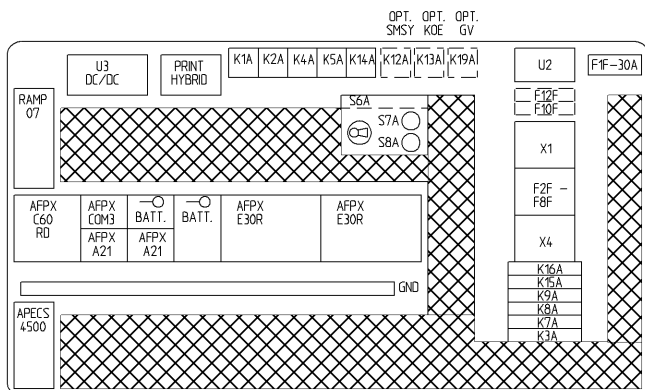
	27	27	
	26	26	
	25	25	

Colour schedule			
Colour	Dutch	English	Deutsch
Rd	Rood	Red	Rot
Bl	Blauw	Blue	Blau
Gt	Geel	Yellow	Gelb
Gr	Groen	Green	Gruen
Zw	Zwart	Black	Schwarz
Wt	Wit	White	Weiss
Bn	Bruin	Brown	Braun
Rs	Roze	Pink	Rosa
Or	Oranje	Orange	Orange
Ps	Paars	Violet	Violett
Tp	Transp.	Transp.	Transp.
Gs	Grijs	Grey	Grau

AANSluiting OP PLATFORM
ANSchluss AUf PLATTFORM
CONNECTION ON PLATFORM



Afscherming niet aansluiten
(afstapen)



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KLEMMENKAST
KLEMMENKASTEN
CONNECTION BOX

WARTEL KABELINF. GLAND NR.	KLEM KLEMMEN TERMINAL NR	FUNKTIE	FUNKTION	FUNCTION
1.1	φ 25	+12V Diesel	+12V Diesel	+12V Diesel
1.2	GND	GND Diesel	GND Diesel	GND Diesel
2	DIV/VAR	Lasdoos voor X6	Verteilerdose vorn X6	Connect. Box front X6
3.1	φ 38-GND-X7	Scheefstand	Neigung	Inclination
3.2	DIV/VAR	Auto Niv.	Auto Niv.	Auto Niv.
4.1	φ 38-GND-X8	Scheefstand Opt.	Neigung Opt.	Inclination Opt.
4.2	DIV/VAR	Koeler	Kuehler	Cooler
5.1	YA-GND	Stempels LA in	Stuetzen LH ein	Jacks LR in
5.2	YB-GND	Stempels LA uit	Stuetzen LH aus	Jacks LR out
6.1	YC-GND	Stempels RA in	Stuetzen RH ein	Jacks RR in
6.2	YD-GND	Stempels RA uit	Stuetzen RH aus	Jacks RR out
7.1	Y6-GND	Stempels LV in	Stuetzen LV ein	Jacks LF in
7.2	Y7-GND	Stempels LV uit	Stuetzen LV aus	Jacks LF out
8.1	Y8-GND	Stempels RV in	Stuetzen RV ein	Jacks RF in
8.2	Y9-GND	Stempels RV uit	Stuetzen RV aus	Jacks RF out
9.1	DIV/VAR	Accumeter	Akkumeter	Batterymeter
9.2	φ 38-X40.3	Acculader	Akkuladegeraet	Battery Charger
10	DIV/VAR	Lasdoos achter X7	Verteilerdose hinten X7	Connect. Box rear X7
11.1	Y1.2-GND	Sper/Diff. Ventiel	Sperr/Diff. Ventil	Slip/Diff. Valve
11.2	Y1.3-GND	Sper/Diff. Ventiel	Sperr/Diff. Ventil	Slip/Diff. Valve
12.1	K9A:14-GND	Snelrijden	Schnell Fahren	Driving Fast
12.2	Y1-GND	Cir. Vent Ri.-St.	Cir. Vent. Fa.-St.	Cir. Valve Dr.-Ja.
13.1	K7A:14-GND	Rijden Vooruit	Fahren Vorwaerts	Driving Forward
13.2	K8A:14-GND	Rijden Achteruit	Fahren Rueckwaerts	Driving Reverse
14.1	Y1.6-GND	Heffen	Heben	Lift Up
14.2	Y1.0-GND	Cir. Ventiel Stempels	Cir. Ventil Stuetzen	Cir. Valve Jacks

WARTEL KABELINF. GLAND NR.	KLEM KLEMMEN TERMINAL NR	FUNKTIE	FUNKTION	FUNCTION
15.1	Y2-GND	Sturen Links Voor	Lenken Links Vorn	Steering Left Front
15.2	Y3-GND	Sturen Rechts Voor	Lenken Rechts Vorn	Steering Right Front
16.1	Y1.8-GND	Platform in	Plattform ein	Platform in
16.2	Y1.9-GND	Platform uit	Plattform aus	Platform out
17.1	Y30.9-GND	Relais Aggregaat Opt.	Relais Aggr. Opt.	Relais Aggr. Opt.
17.2	φ 39-X1.4	Tank leeg	Tank leer	Tank empty
18	DIV/VAR	WCD Onderwagen 6PM	WCD Unterwagen 6PM	Socket Below 6PM
19.1	Y30.8-GND	Hydr. Aggregaat Opt.	Hydr. Aggr. Opt.	Hydr. Aggr. Opt.
19.2	DIV/VAR	RPM Teller Gen. Opt.	RPM Zaehler Gen. Opt.	RPM Meter Gen. Opt.
20.1	DIV/VAR	Smeersytem Opt.	Schmiere System Opt.	Grease System Opt.
20.2	DIV/VAR	Black-Box Opt.	Black-Box Opt.	Black-Box Opt.
21	φ 39-X1.6	Temp. Hd. Olie	Temp. Hd. Oel	Temp. Hd. Oil
22.1	Y30.7-GND	Zwailamp Opt.	Blitzleuchte Opt.	Flashlight Opt.
22.2	Y30.7-GND	Zwailamp Opt.	Blitzleuchte Opt.	Flashlight Opt.
23.1	φ 27	+48V Electric	+48V Elektro	+48V Electric
23.2	GND	GND Electric	GND Elektro	GND Electric
24	Res./Spare	Reserve	Reserve	Spare
25	DIV/VAR	Diesel X5	Diesel X5	Diesel X5

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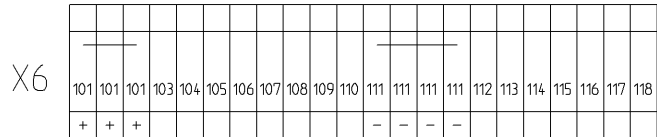
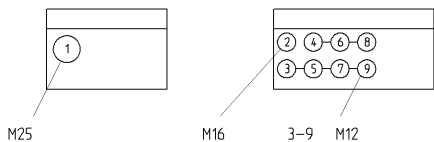
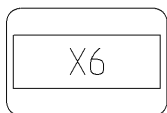
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KASTEN/BEKABELING
KASTEN/KABEL
BOXES/CABLES

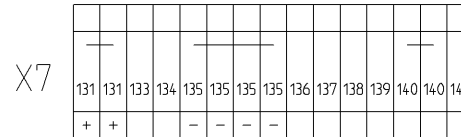
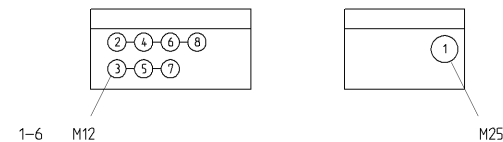
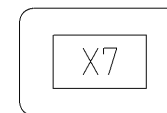
Projekt:	EB-22-001	Zeichnungsnummer:	Rev.:	A	erstellt von:	Rothenbusch
Datum:	24.08.2016	Anlage:	Ort:	=	Blatt:	34
				+		

LASDOOS AFSLAGEN
 VERTEILERDOSE HOEHEAUSCHALTUNG
 MAXIMUM HEIGHT DISTRBUOR BOX

LASDOOS ACHTER
 VERTEILERDOSE HINTEN
 DISTRBUOR BOX REAR



F7F



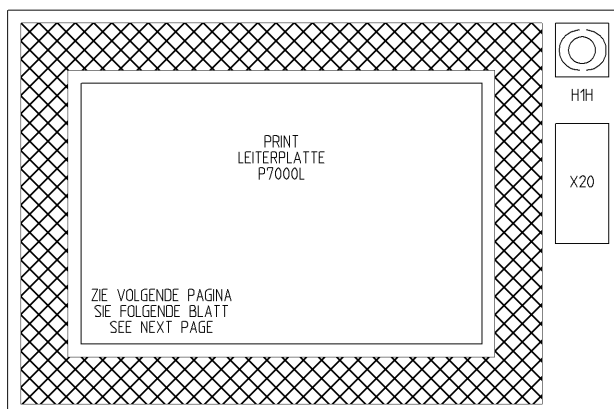
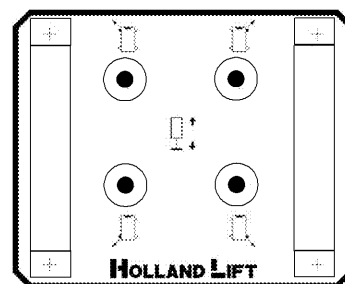
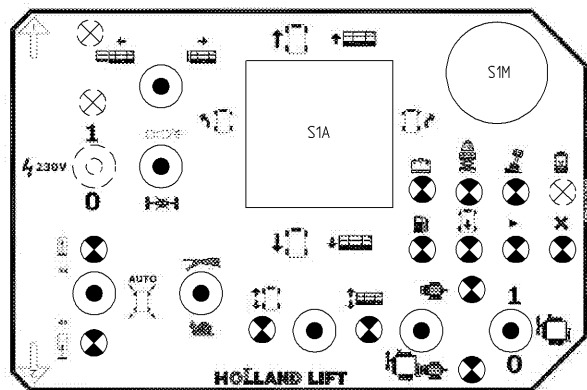
F7F

NR.	Omschrijving	Beschreibung	Descreption
1	Kabel Klemmenkast	Kabel Klemmenkasten	Cable Connection Box
2	4mtr. Afslag S1Q	4mtr. Ausschaltung S1Q	4mtr. Cut-out S1Q
3	Daten	Senken	Lift Down
4	Eindschak. LV in S9Q	Endschalter LV ein S9Q	Limit Switch LF in S9Q
5	Eindschak. LV uit S13Q	Endschalter LV aus S13Q	Limit Switch LF out S13Q
6	Eindschak. RV in S10Q	Endschalter RV ein S10Q	Limit Switch RF in S10Q
7	Eindschak. RV uit S14Q	Endschalter RV aus S14Q	Limit Switch RF out S14Q
8	Druk Meting	Druck Messung	Pressure Measuring
9	Hoekmeting	Winkel Messung	Angle Measuring

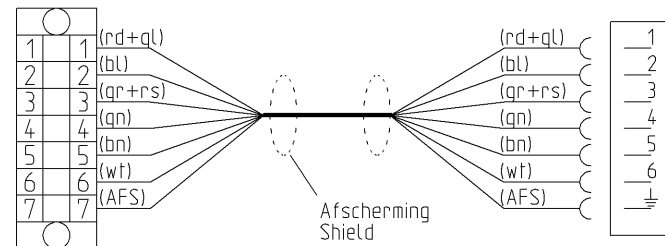
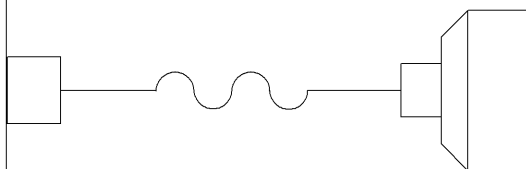
NR.	Omschrijving	Beschreibung	Descreption
1	Kabel Klemmenkast	Kabel Klemmenkasten	Cable Connection Box
2	Eindschak. LA in S11Q	Endschalter LA ein S11A	Limit Switch LR in S11Q
3	Eindschak. LA uit S15Q	Endschalter LA aus S15Q	Limit Switch LR out S15Q
4	Eindschak. RA in S12Q	Endschalter RA ein S12Q	Limit Switch RR in S12Q
5	Eindschak. RA uit S16Q	Endschalter RA aus S16Q	Limit Switch RR out S16Q
6	Pendelas Links	Pendel Achse Links	Oscillating Left
7	Pendelas Rechts	Pendel Rechts	Oscillating Right
8	Pendelas Horizontaal S18Q	Pendel Achse Hor. S18Q	Oscillating Axle S18Q

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BEDIENINGSKAST STEUERPULT CONTROL BOX



Colour schedule			
Colour	Dutch	English	Deutsch
Rd	Rood	Red	Rot
Bl	Blauw	Blue	Blau
Gl	Geel	Yellow	Gelb
Gn	Groen	Green	Gruen
Zw	Zwart	Black	Schwarz
Wt	Wit	White	Weiss
Bn	Bruin	Brown	Braun
Rs	Roze	Pink	Rosa
Or	Oranje	Orange	Orange
Ps	Poars	Violet	Violett
Tp	Transp.	Transp.	Transp.
Gs	Grijs	Grey	Grau



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KASTEN/BEKABELING
 KASTEN/KABEL
 BOXES/CABLES

Projekt: EB-22-001

Zeichnungsnummer:

Rev.: A

erstellt von:
 Rothenbusch

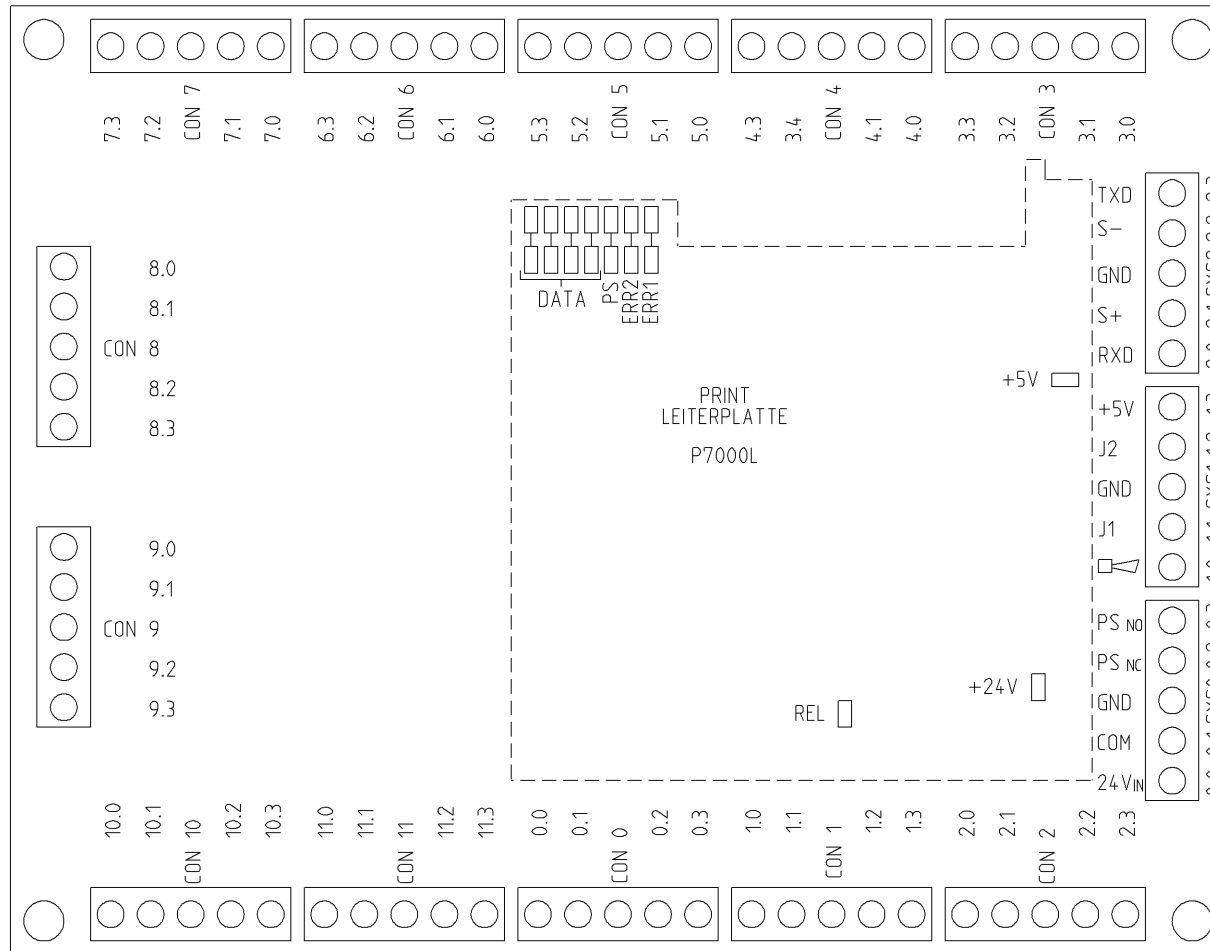
Datum: 24.08.2016

Anlage: =

Ort: +

Blatt: 36

PRINTPLAAT
LEITERPLATTE
CIRCUIT BOARD



+24V	<input type="checkbox"/>	Groen/Gruen/Green	Voeding Ok	Speisung Ok	Supply Ok
+5V	<input type="checkbox"/>	Groen/Gruen/Green	Voeding Ok	Speisung Ok	Supply Ok
REL	<input type="checkbox"/>	Groen/Gruen/Green	Power Safe aan	Power Safe an	Power Safe on
PS	<input type="checkbox"/>	Geel/Gelb/Yellow	Power Safe uit	Power Safe aus	Power Safe off
Err1	<input type="checkbox"/>	Geel/Gelb/Yellow	Slechte Data Verbinding	Schlechte Data Verbindung	Poor Data Connection
Err2	<input type="checkbox"/>	Rood/Rot/Red	Geen Data Verbinding	Keine Data Verbindung	No Data Connection

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PRINTPLAAT
LEITERPLATTE
CIRCUIT BOARD

Projekt:
EB-22-001

Zeichnungsnummer:

Rev.:

erstellt von:
Rothenbusch

Datum:
24.08.2016

Anlage:

Ort:

Blatt:
37

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0.0	Joystick Op (S1A2)	Fahren Joy. Auf (S1A2)	Joystick On (S1A2)
0.1	Joystick Neer (S1A3)	Fahren Joy. Nied. (S1A3)	Joystick Down (S1A3)
CON 0			
0.2	Sturen Links (S1A4)	Lenken Links (S1A4)	Steering Left (S1A4)
0.3	Sturen Rechts (S1A5)	Lenken Rechts (S1A5)	Steering Right (S1A5)

1.0	Claxon (S2A3)	Hupe (S2A3)	Horn (S2A3)
1.1	Sper/Diff. (S2A1)	Sperr/Diff. (S2A1)	Slip/Diff. (S2A1)
CON 1			
1.2	Heffen/Dalen (S3A1)	Heben/Senken (S3A1)	Lift Up/Down (S3A1)
1.3	Rijden/Sturen (S3A3)	Fahren/Lenken (S3A3)	Driving/Steering (S3A3)

2.0	Snel Rijden (S4A)	Schnell Fahren (S4A)	Driving Fast (S4A)
2.1	Platform in (S10A3)	Plattform ein (S10A3)	Platform in (S10A3)
CON 2			
2.2	Platform uit (S10A1)	Plattform aus (S10A1)	Platform out (S10A1)
2.3	Dodemansknop (S1A1)	Totmanskноп (S1A1)	Dead Man (S1A1)

0.0	Voeding +24V (S1M)	Speisung +24V (S1M)	Supply +24V (S1M)
0.1	Voeding +24V (S1M)	Speisung +24V (S1M)	Supply +24V (S1M)
SYS0 GND	GND	GND	GND
0.2	Reserve	Reserve	Spare
0.3	Voeding +24V (PS)	Speisung +24V (PS)	Supply +24V (PS)

1.0	+ Zoemer (H1H)	+ Summer (H1H)	+ Buzzer (H1H)
1.1	0-5V Joystick P1	0-5V Joystick P1	0-5V Joystick P1
SYS1 GND	- Zoemer (H1H)	- Summer (H1H)	- Buzzer (H1H)
1.2	Reserve (0-5V)	Reserve (0-5V)	Spare (0-5V)
1.3	Voeding +5V Joy. (P1)	Speisung +5V Joy. (P1)	Supply +5V Joy. (P1)

2.0	Data RXD	Data RXD	Data RXD
2.1	Data S+ (RS485)	Data S+ (RS485)	Data S+ (RS485)
SYS2 GND	Reserve	Reserve	Spare
2.2	Data S- (RS485)	Data S- (RS485)	Data S- (RS485)
2.3	Data TXD	Data TXD	Data TXD

3.0	Hybrid Mode (S26A1)	Hybrid Mode (S26A1)	Hybrid Mode (S26A1)
3.1	Electric Mode (S26A3)	Elektro Mode (S26A3)	Electric Mode (S26A3)
CON 3			
3.2	4x Stempels in (S12A1)	4x Stuetzen ein (S12A1)	4x Jacks in (S12A1)
3.3	4x uit Au. Niv. (S12A3)	4x aus Au. Niv. (S12A3)	4x out Au. Niv.(S12A3)

4.0	Reserve	Reserve	Spare
4.1	Gen. aan Opt. (V6H)	Gen. an Opt. (V6H)	Gen. on Opt. (V6H)
CON 4			
4.2	Scheefstand gn (V2H)	Neigung gn (V2H)	Inclination gn (V2H)
4.3	Scheefstand rd (V2H)	Neigung rd (V2H)	Inclination rd (V2H)

5.0	Vetpomp Opt. (V7H)	Fett Pumpe Opt. (V7H)	Grease Pu. Opt. (V7H)
5.1	Overload (V1H)	Ueberlastung (V1H)	Overload (V1H)
CON 5			
5.2	Plat. in Opt. (V17H)	Plat. ein Opt. (V17H)	Plat. in Opt. (V17H)
5.3	Tank leeg (V8H)	Tank leer (V8H)	Tank empty (V8H)

6.0	Start Motor (S11A3)	Start Motor (S11A3)	Start Engine (S11A3)
6.1	Stop Motor (S11A1)	Halte Motor (S11A1)	Stop Engine (S11A1)
CON 6			
6.2	Gen. aan Opt. (S18A3)	Gen. an Opt. (S18A3)	Gen. on Opt. (S18A3)
6.3	Gen. uit Opt. (S18A1)	Gen. aus Opt. (S18A1)	Gen. off Opt. (S18A1)

7.0	Stempels LA in (S15A1)	Stuetzen LH ein (S15A1)	Jacks LR in (S15A1)
7.1	Stemp. LA uit (S15A3)	Stuetzen LH aus (S15A3)	Jacks LR out (S15A3)
CON 7			
7.2	Stempels RA in (S16A1)	Stuetzen RH ein (S16A1)	Jacks RR in (S16A1)
7.3	Stemp. RA uit (S16A3)	Stuetzen RH aus (S16A3)	Jacks RR out (S16A3)

8.0	Stempels LV in (S13A1)	Stuetzen LV ein (S13A1)	Jacks LF in (S13A1)
8.1	Stemp. LV uit (S13A3)	Stuetzen LV aus (S13A3)	Jacks LF out (S13A3)
CON 8			
8.2	Stempels RV in (S14A1)	Stuetzen RV ein (S14A1)	Jacks RF in (S14A1)
8.3	Stemp. RV uit (S14A3)	Stuetzen RV aus (S14A3)	Jacks RF out (S14A3)

9.0	Pendelas Hor. (V4H)	Pendel Achse Hor. (V4H)	Os. Axle Hor. (V4H)
9.1	Stempels in (V11H)	Stuetzen ein (V11H)	Jacks in (V11H)
CON 9			
9.2	Stempels uit (V5H)	Stuetzen aus (V5H)	Jacks out (V5H)
9.3	Auto Niv. (V9H)	Auto Niv. (V9H)	Auto Niv. (V9H)

10.0	In Bedrijf (V10H)	In Betrieb (V10H)	Run (V10H)
10.1	Storing Dieselm. (V3H)	Stoerung Dieselm. (V3H)	Failure Dieselm. (V3H)
CON 10			
10.2	Accu geladen (V16H)	Akku geladen (V16H)	Battery loaded (V16H)
10.3	Accu leeg (V16H)	Akku leer (V16H)	Battery empty (V16H)

11.0	Rijden/Sturen (V12H)	Fahren/Lenken (V12H)	Driving/Steering (V12H)
11.1	Heffen/Dalen (V13H)	Heben/Senken (V13H)	Lift Up/Down (V13H)
CON 11			
11.2	Hybrid Mode (V14H)	Hybrid Mode (V14H)	Hybrid Mode (V14H)
11.3	Electric Mode (V15H)	Elektro Mode (V15H)	Electric Mode (V15H)



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PRINTPLAAT
 LEITERPLATTE
 CIRCUIT BOARD

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