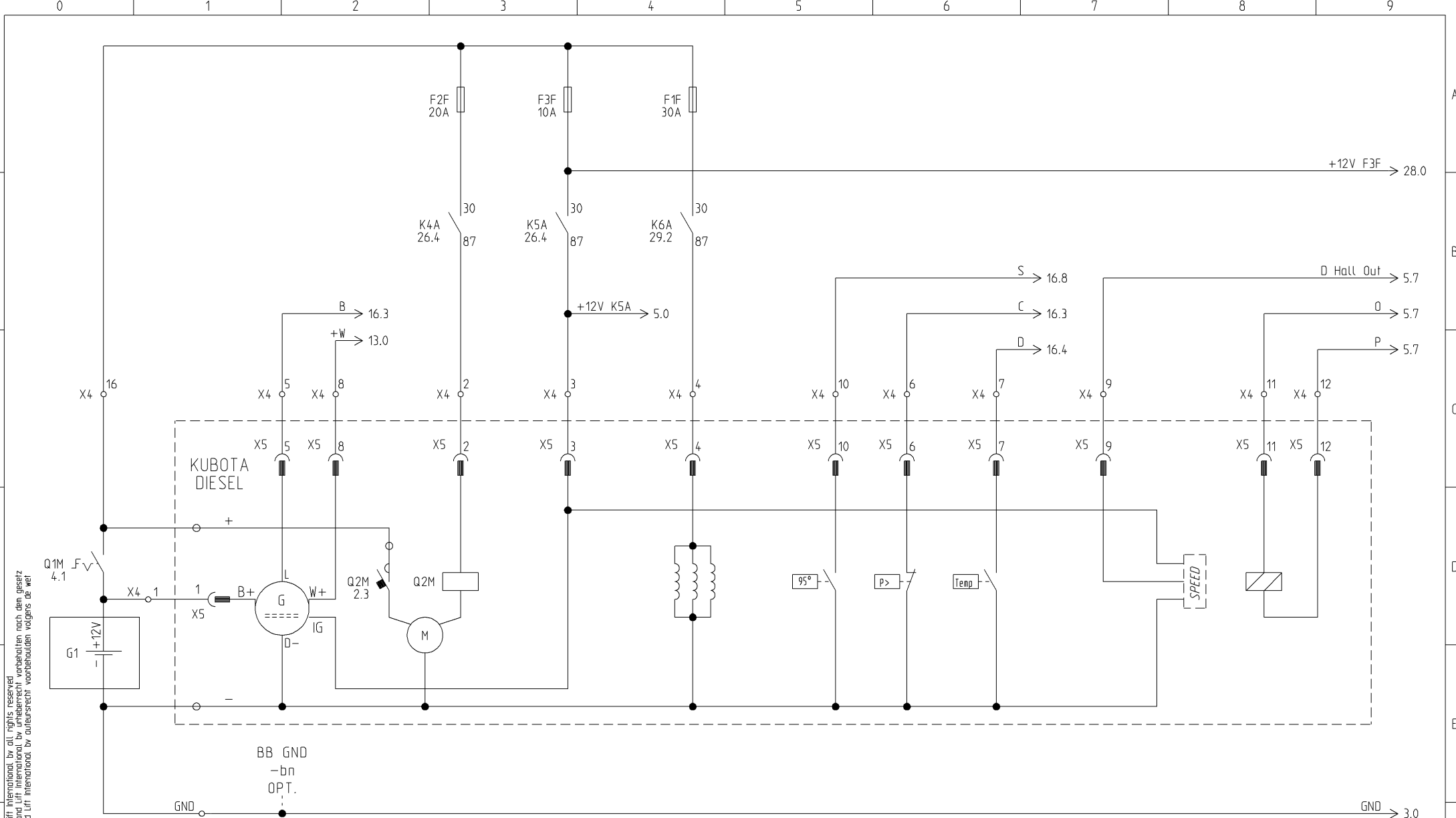


AANSLUITKLEM KLEMMENKAST ⌀ ANSCHLUSSKLEMME KLEMMKASTEN TERMINAL CONNECTION BOX AANSLUITKLEM BEDIENINGSKAST ⌀ ANSCHLUSSKLEMME STEUERPUIT TERMINAL CONTROL BOX	AANSLUITKLEM TRANSISTOR ⊕ ANSCHLUSSKLEMME TRANSISTOR TERMINAL TRANSISTOR AANSLUITKLEM PLC ⊕ ANSCHLUSSKLEMME SPS TERMINAL PLC	AANSLUITKLEM PLC-SLAVE ⌀ ANSCHLUSSKLEMME SPS-SLAVE TERMINAL PLC-SLAVE
---	---	---

TYPE	OMSCHRIJVING UMSCHREIBUNG DESCRIPTION	PLC PROG: SPS PROG: PLC PROG:
HL275H25	M250-HYBRID	M-H-03A
	DIESEL 12V / DMC CONTROLLER	
REV.	DATUM DATUM DATE	OPMERKING BEMERKUNG REMARK

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- Starter
Anlasser
Starter
- Ontsteking
Zündung
Ignition
- Gloeidraad
Gluehfaden
Glow plug
- Temp. 95°
Temp. 95°
Temp. 95°
- Olgedruk
Oelddruk
Oilpressure
- Temp.
Temp.
Temp.
- Maat Toeren
Messung Drehzahl
Measuring Eng. Speed
- Toeren
Drehzahl
Engine Speed



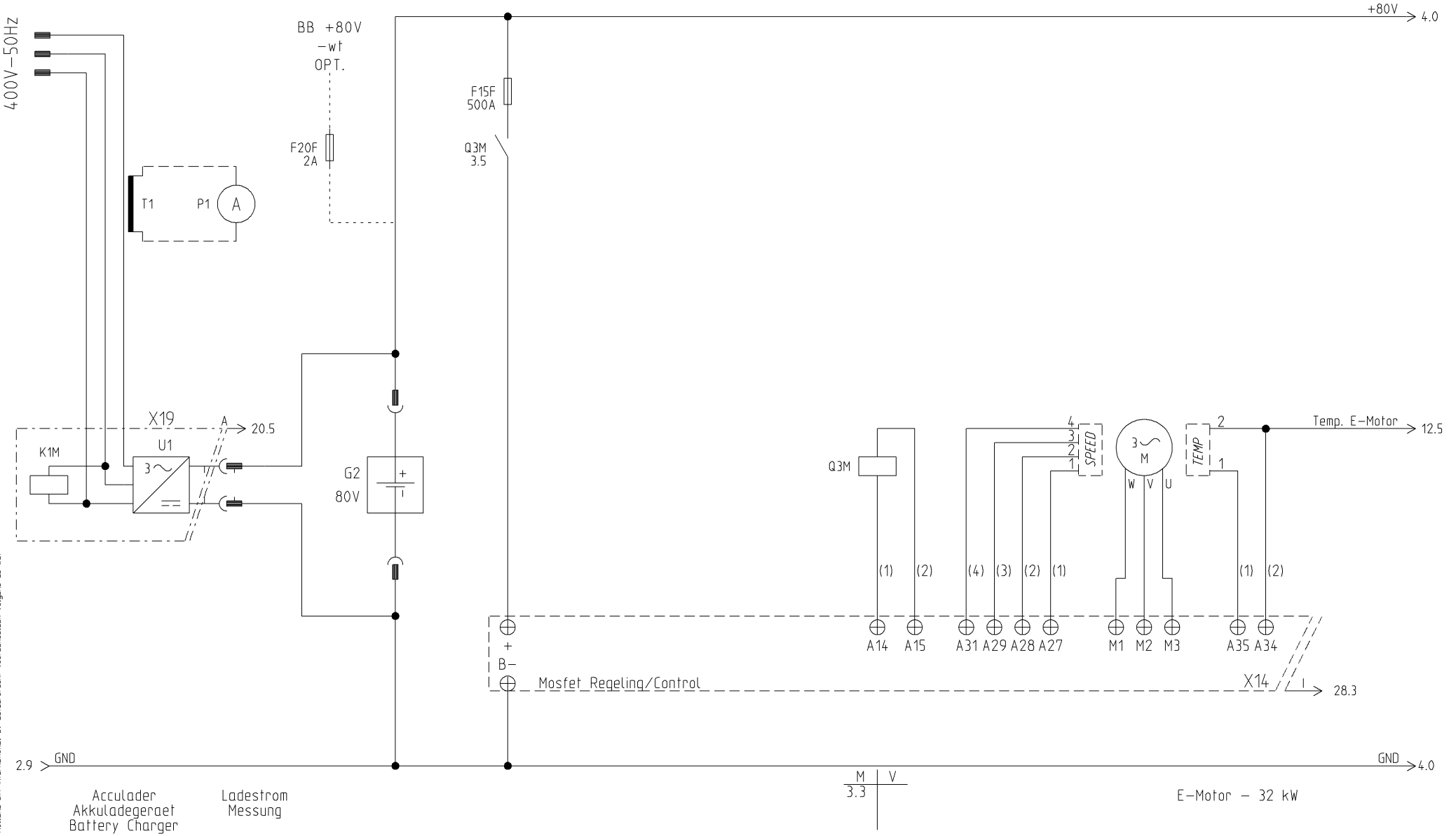
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 W www.hollandlift.com

STROOMKRINGSCHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

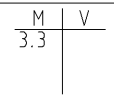
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Acculader
 Akkuladegeraet
 Battery Charger
 Ladestrom
 Messung
 Optie/Option



E-Motor - 32 kW

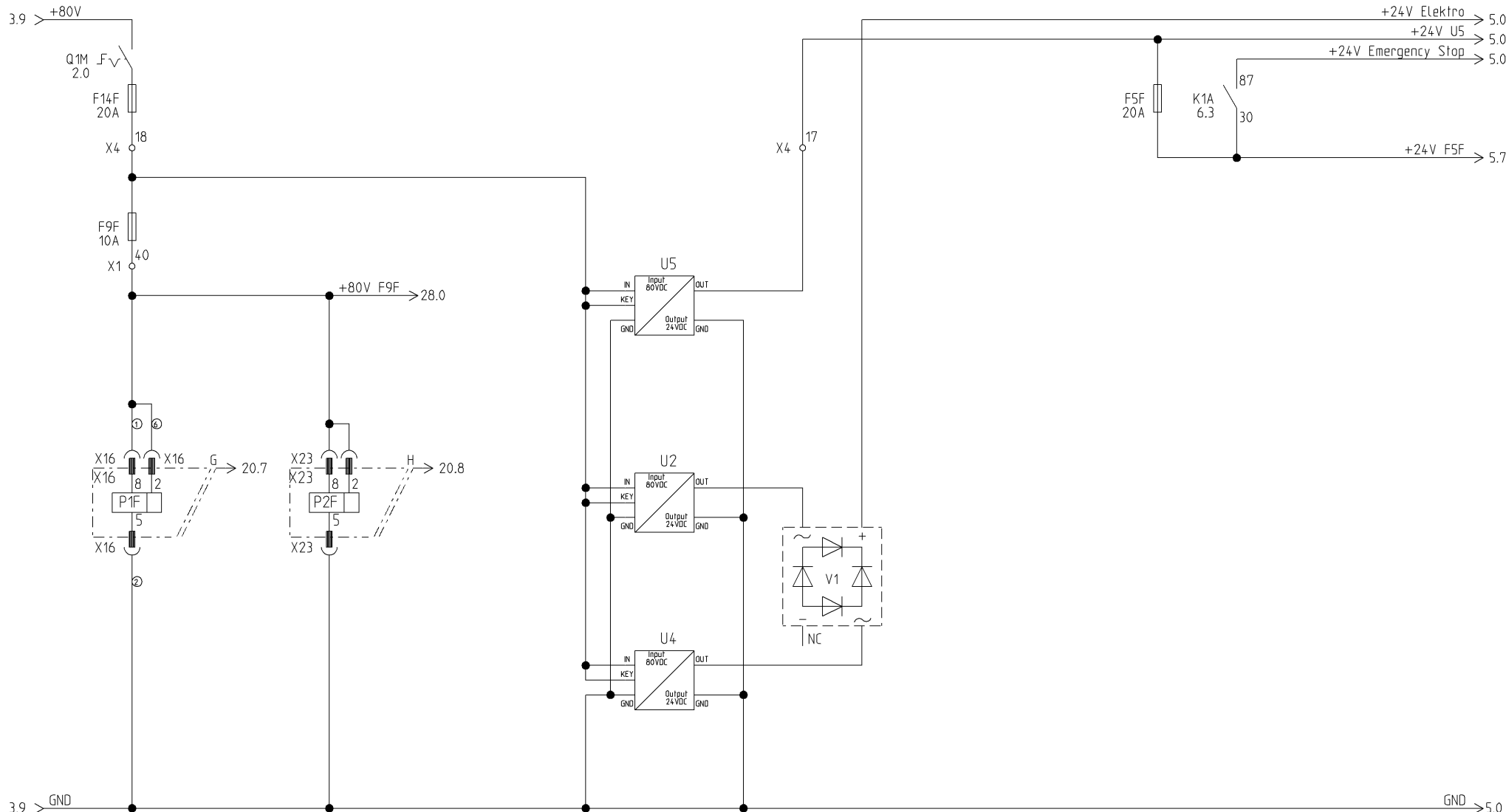


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STROOMKRINGSHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

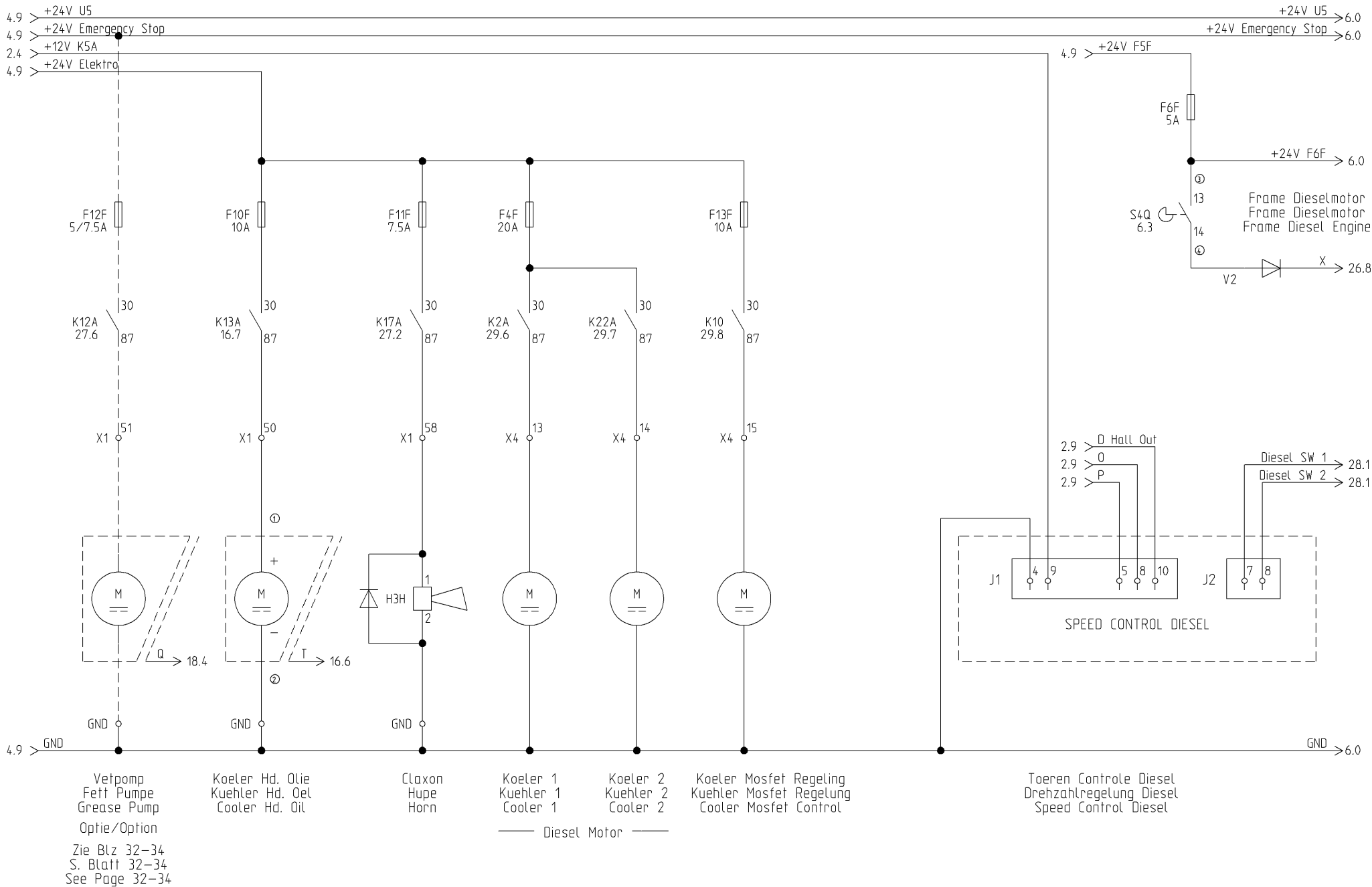
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				3

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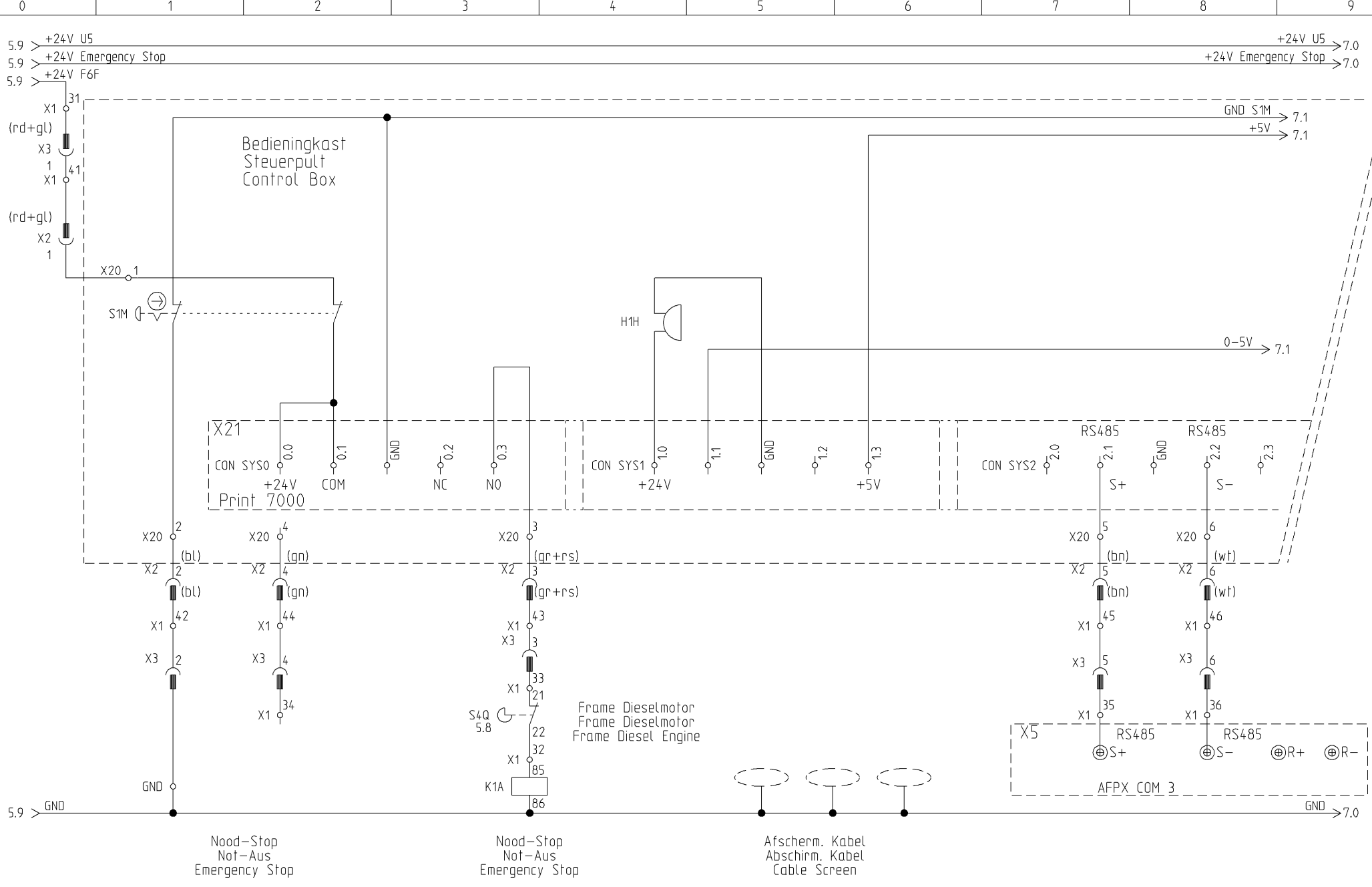
Accuconditiemeter
Akkumeter
Battery Level indic.

Accuconditiemeter 50 %
Akkumeter 50 %
Battery Level indic. 50 %



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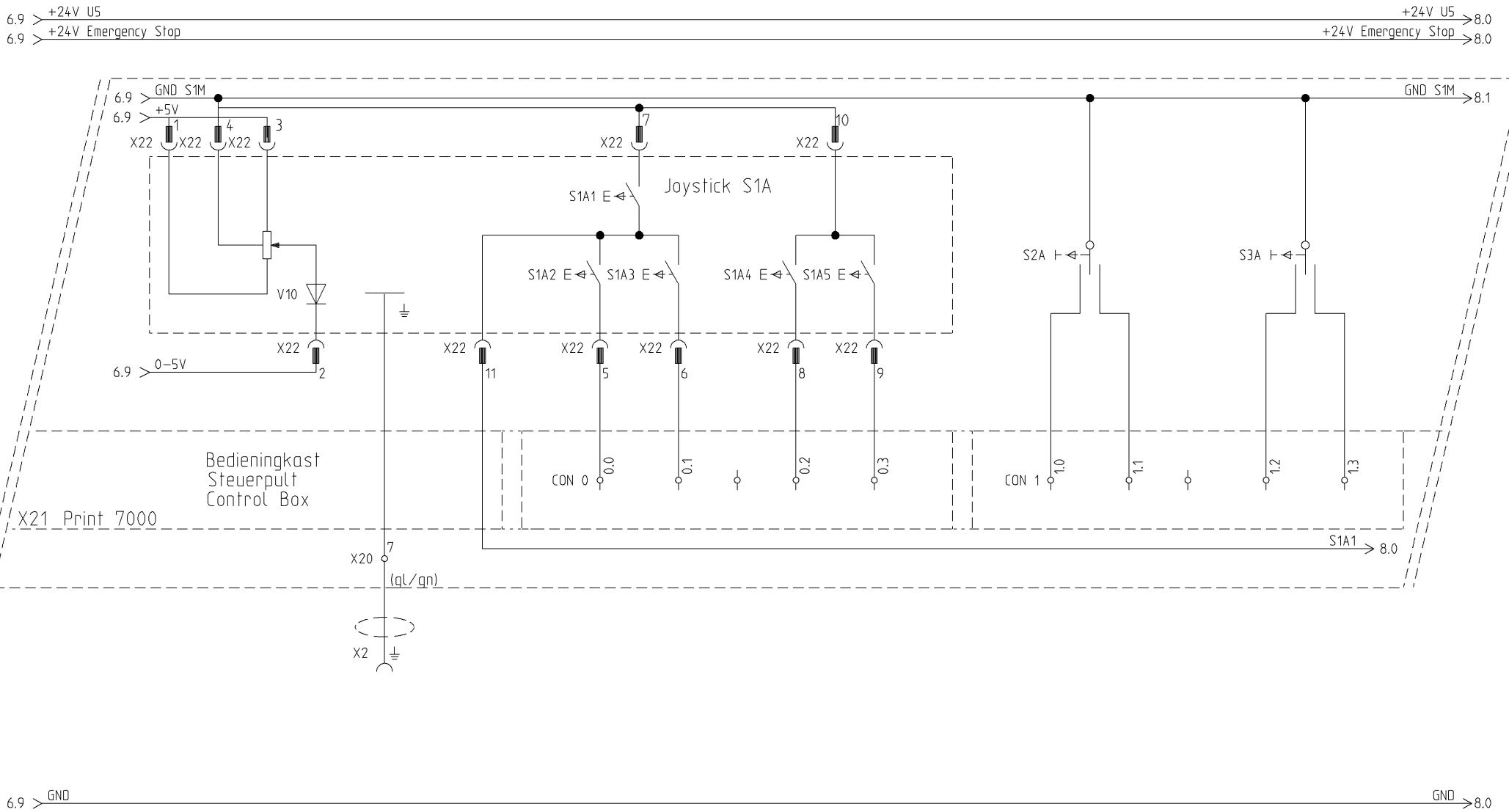


Nood-Stop
Not-Aus
Emergency Stop

Nood-Stop
Not-Aus
Emergency Stop

Afscherm. Kabel
Abschirm. Kabel
Cable Screen

M	V
4.8	



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

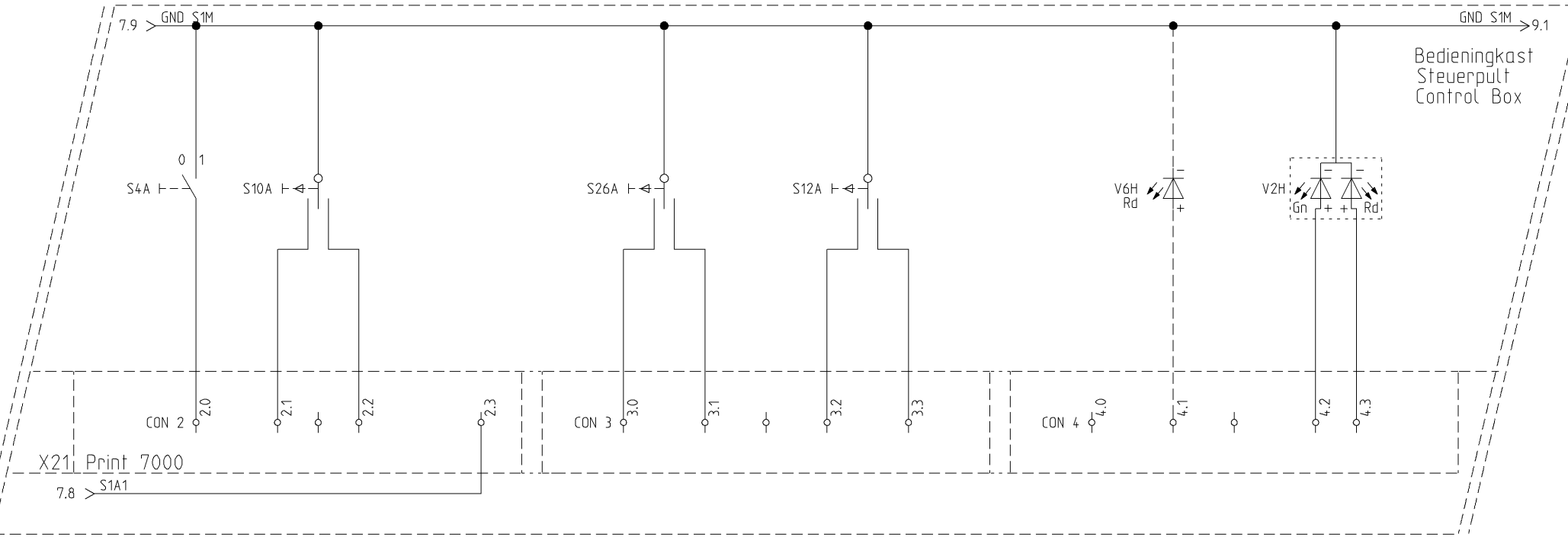
Heffen/Dalen
Heben/Senken
Lift Up/Lift Down

Rijden/Sturen
Fahren/Lenken
Driving/Steering

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7.9 > +24V U5
 7.9 > +24V Emergency Stop

+24V U5 > 9.0
 +24V Emergency Stop > 9.0



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 —

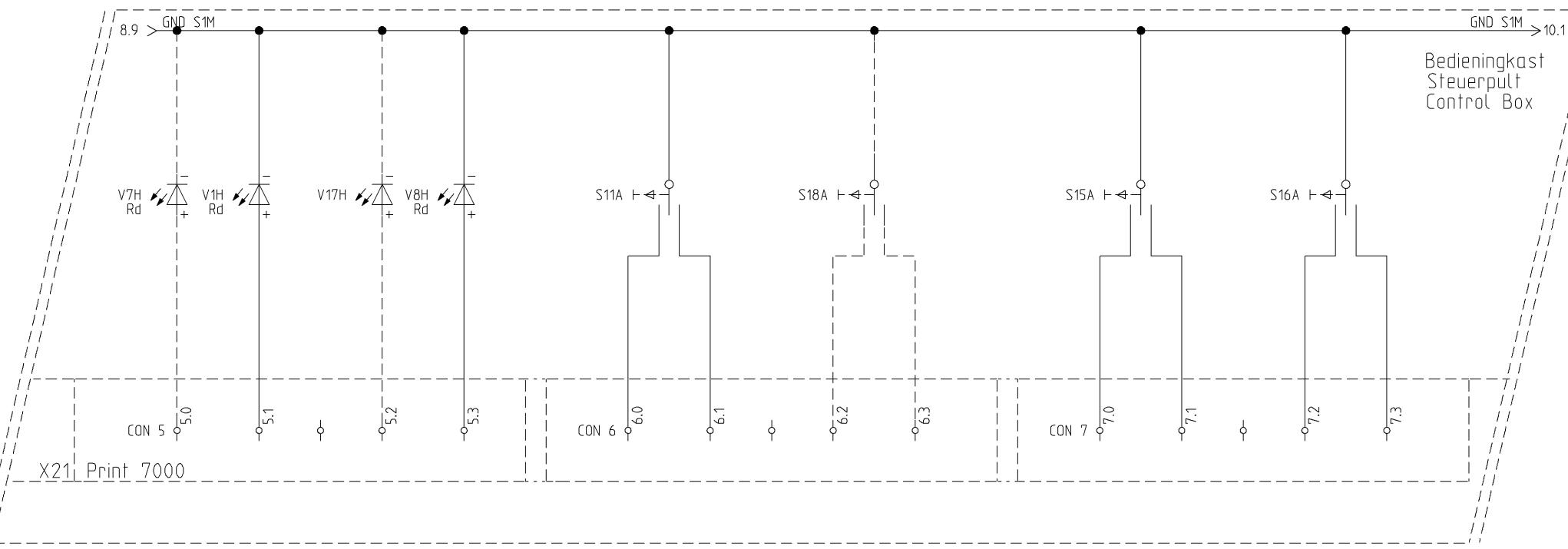
4xN-Stempels-Autom. Niveleer
 4xN-Stuetzen-Autom. Nivel.
 4xN-Jack-Autom. Nivel

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

Scheefstand
 Neigung
 Grade/Slope

8.9 > +24V U5
 8.9 > +24V Emergency Stop

+24V U5 > 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 Uit An Generator Aus On Generator 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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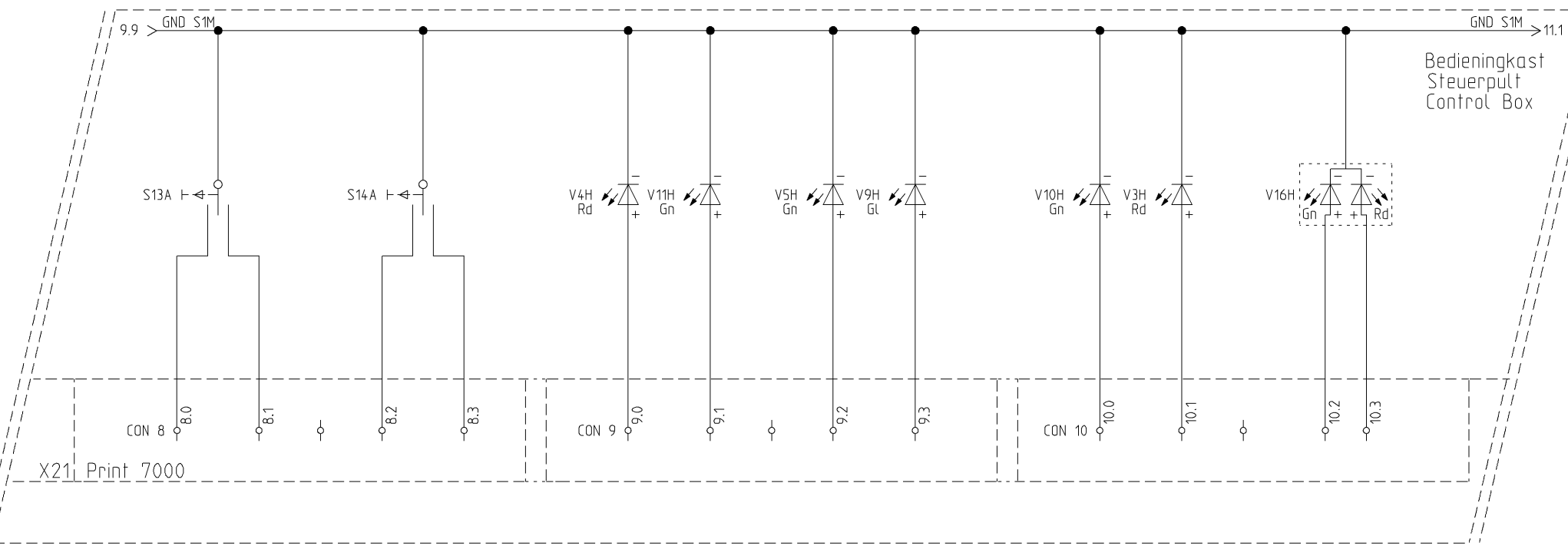
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STROOMKRINGSCHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

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9.9 > +24V U5
 9.9 > +24V Emergency Stop

+24V U5 > 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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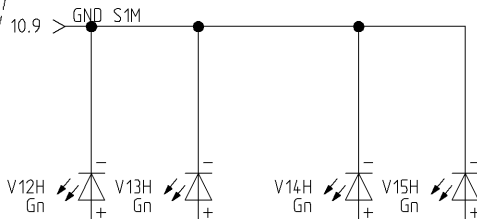
STROOMKRINGSHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

Projekt: EM-21-002	Zeichnungsnummer:	Rev.:	erstellt von: Rothenbusch
Datum: 19.10.2017	Anlage: =	Ort: +	Blatt: 10

10.9 > +24V U5
 10.9 > +24V Emergency Stop

+24V U5 > 12.0
 +24V Emergency Stop > 12.0

Bedieningkast
 Steuerpult
 Control Box



CON 11 11.0 11.1 11.2 11.3

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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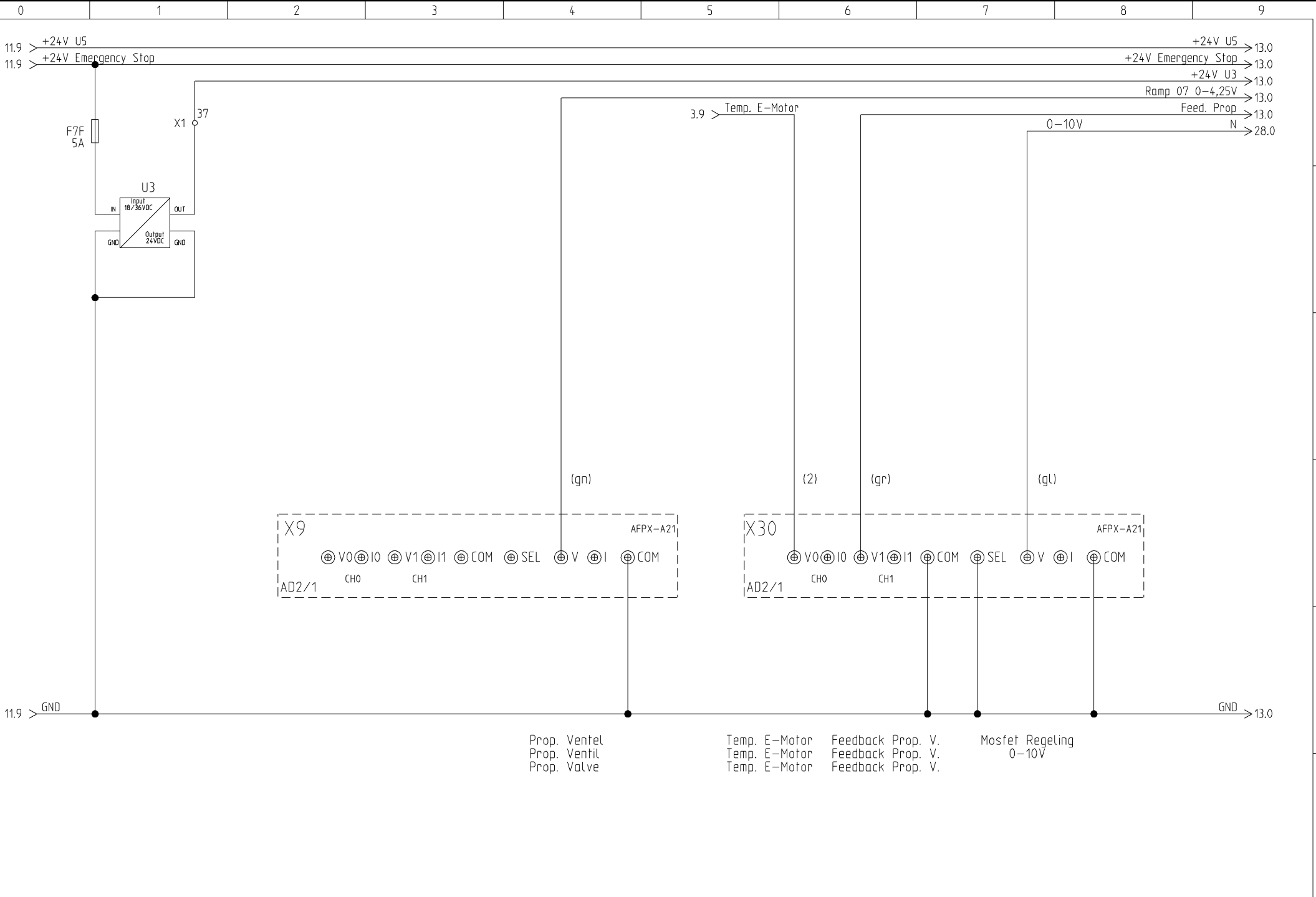
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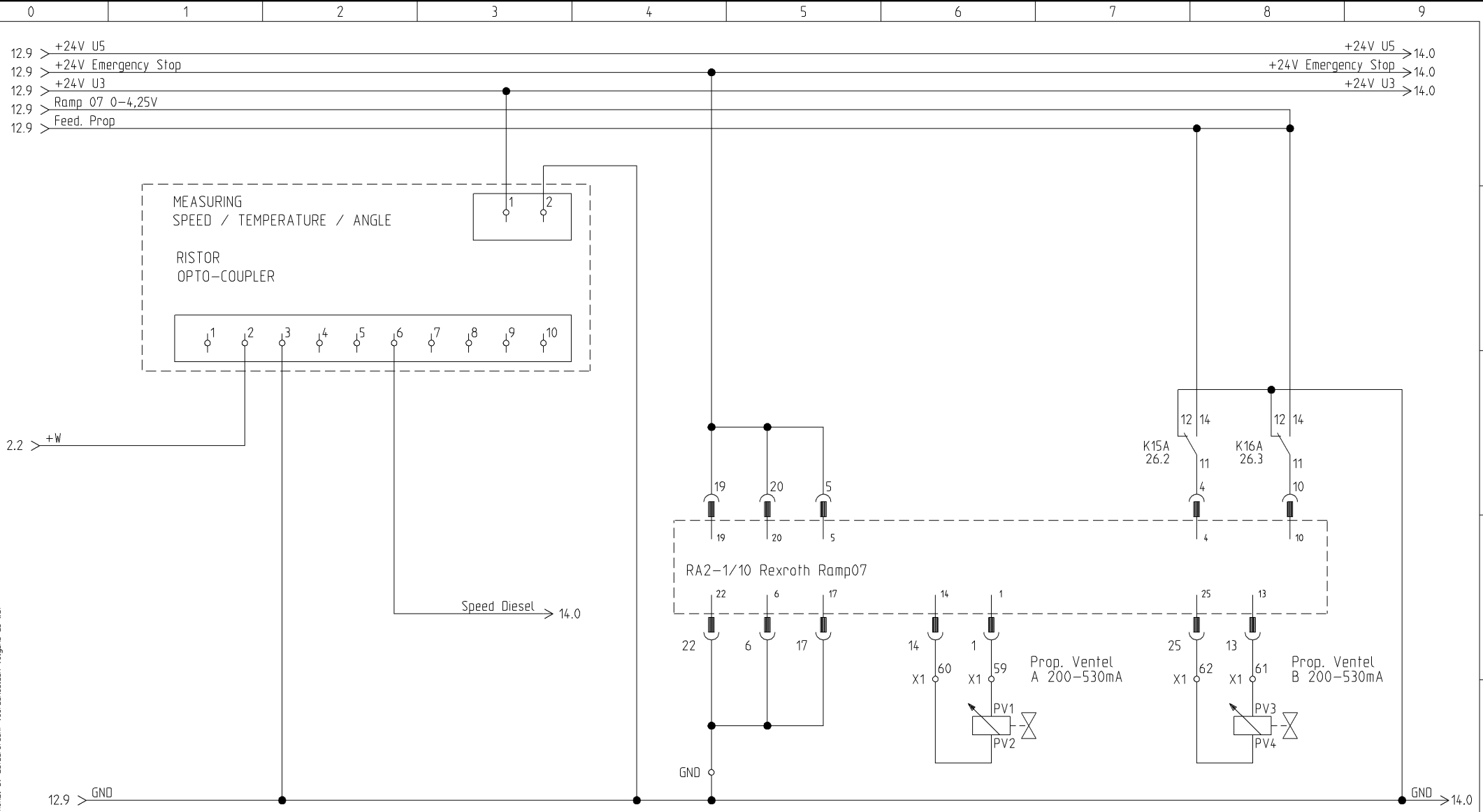
STROOMKRINGSCHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

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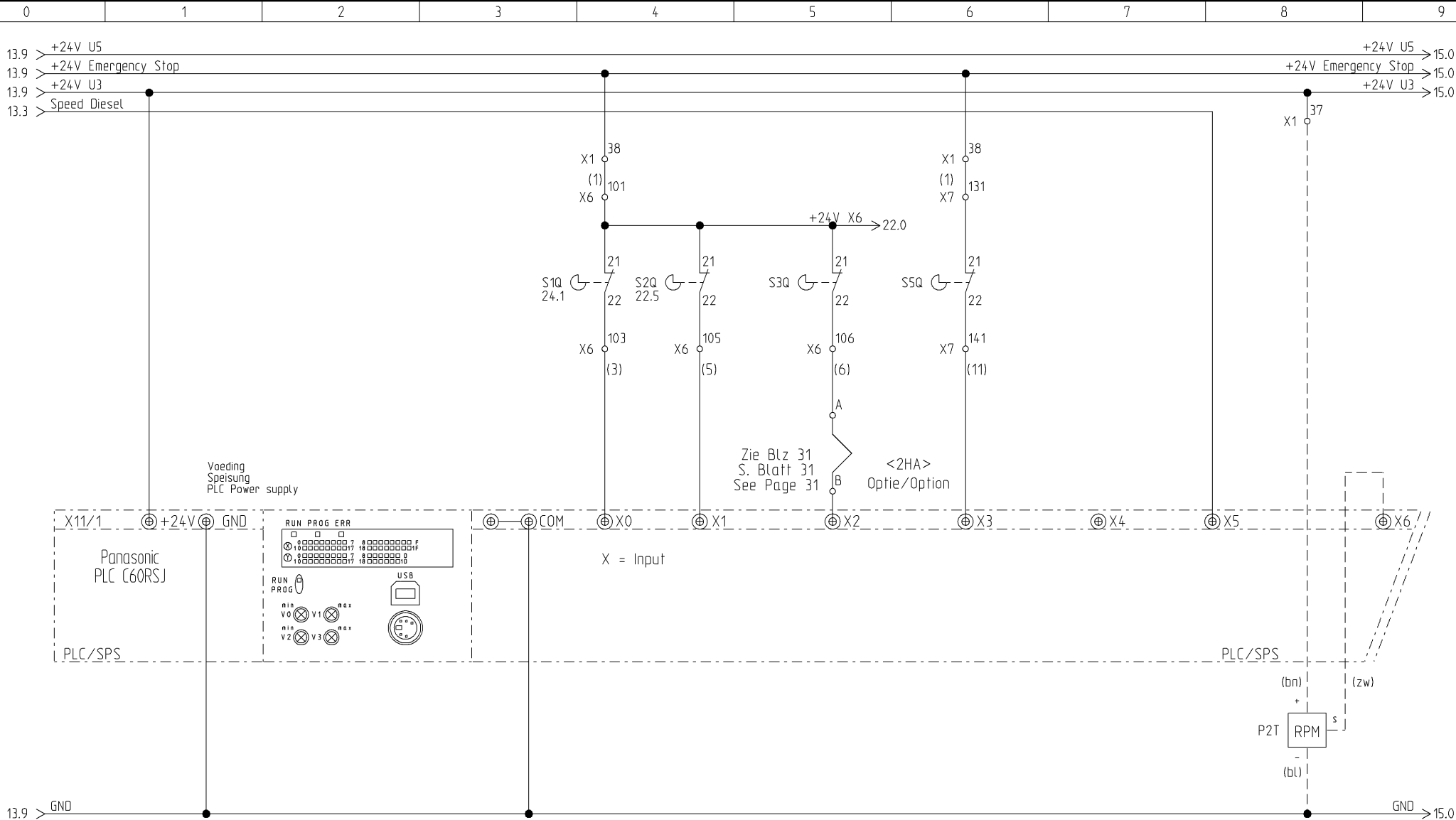
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Rijden Vooruit/Dalen/Gen.
 Fahren Forwaerts/Senken/Gen.
 Driving Forward/Lift Down/Gen.

Rijden Achteruit/Heffen
 Fahren Ruckwaerts/Heben
 Driving Reverse/Lift Up

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Voeding
Speisung
PLC Power supply

Zie Blz 31
S. Blatt 31
See Page 31
<2HA>
Optie/Option

X = Input

- 4 mtr. Afslag
4 mtr. Ausschalt.
4 mtr. Cut-Out
- 8 mtr. Afslag
8 mtr. Ausschalt.
8 mtr. Cut-Out
- Max. Hodgte
Max. Hoehe
Max. Height
- Pendelas Horizontaal
Pendel Achse Hor.
Oscillating Axle Hor.
- Reserve
Reserve
Spare
- Toeren D.
Drehzahl D.
Speed D.
- RPM Teller Gen.
RPM Zaehler Gen.
RPM Meter Gen.

Optie/Option

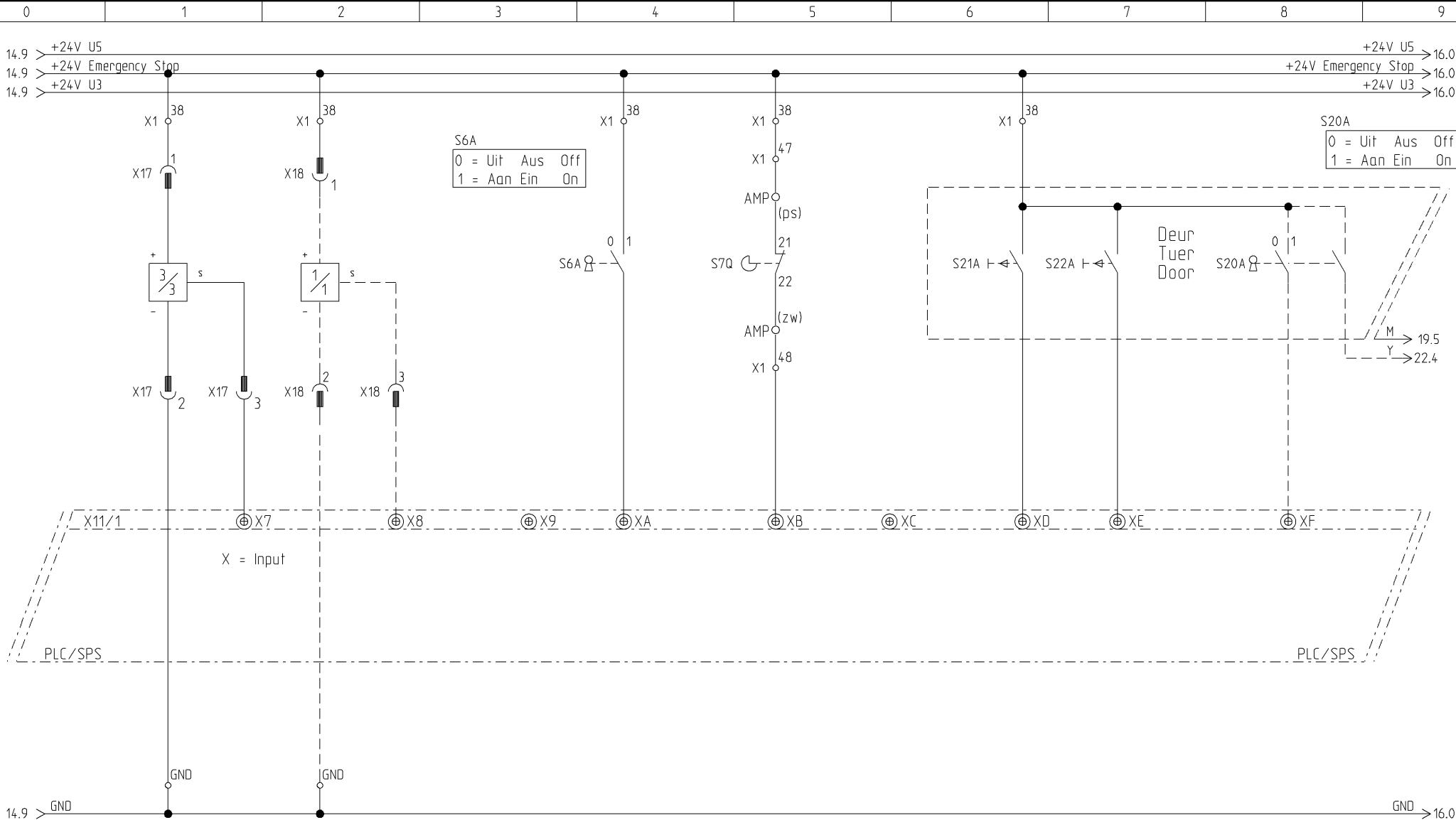


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STROOMKRINGSHEMA
STROMLAUFPLAN
CIRCUIT DIAGRAM

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S6A
 0 = Uit Aus Off
 1 = Aan Ein On

S20A
 0 = Uit Aus Off
 1 = Aan Ein On

Scheefstand 3/3
 Neiging 3/3
 Grade/Slope 3/3

Scheefstand 1/1
 Neiging 1/1
 Grade/Slope 1/1

Reserve
 Reserve
 Spare

Overlastin aan
 Ueberlastung ein
 Overload on

Overlastin 1
 Ueberlastung 1
 Overload 1

Reserve
 Reserve
 Spare

Start - Motor - Stop
 Start - Motor - Halt
 Start - Engine - Stop

Ri. max. Hoogte
 Fa. max. Hoeh
 Dr. max. Height

Optie/Option

Optie/Option



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STROOMKRINGSHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

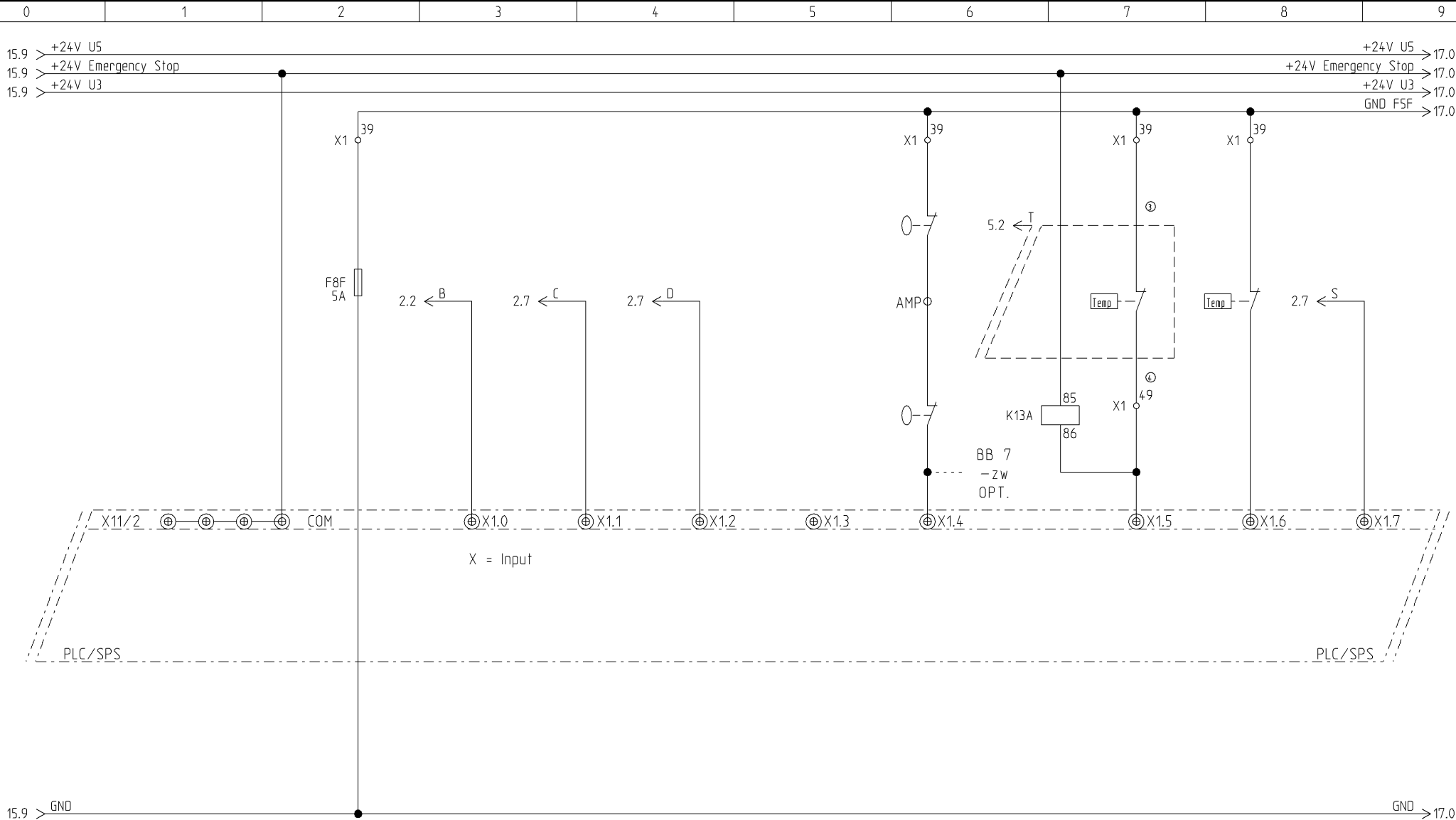
Projekt: EM-21-002
 Datum: 19.10.2017

Zeichnungsnummer:
 Anlage: =

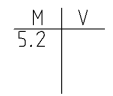
Rev.:
 Ort: +

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 Blatt: 15

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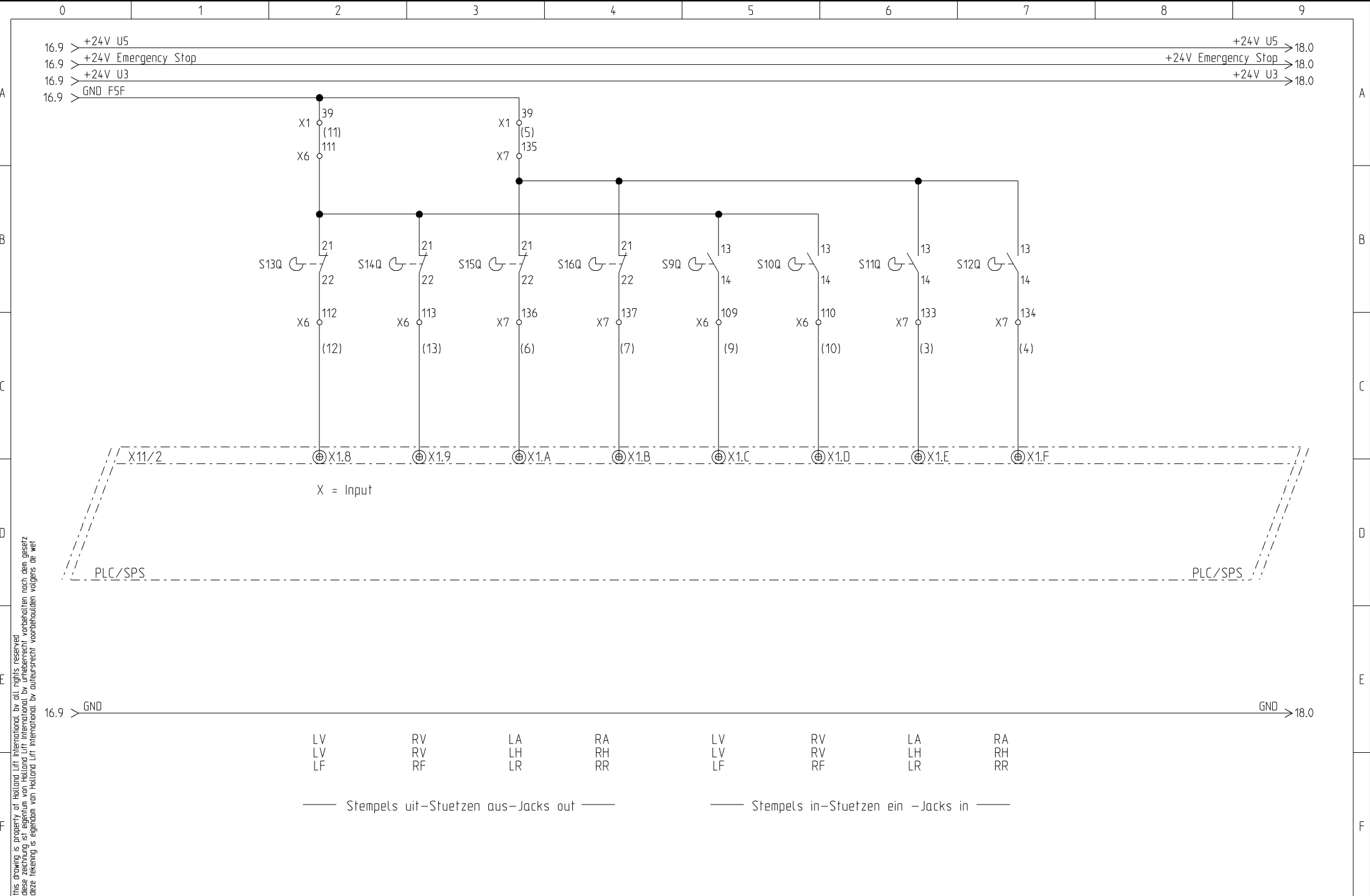
- Dynamo
Dynamo
Dynamo
- Oliedruk
Oeldruk
Oilpressure
- Temperatuur
Temperatur
Temperature
- Reserve
Reserve
Spare
- Tank leeg
Tank Leer
Tank empty
- Koeler Hd. Olie
Kuehler Hd. Oel
Cooler Hd. Oil
- Temp. Hd. Olie
Temp. Hd. Oel
Temp. Hd. Oil
- Temp. Diesel 95°
Temp. Diesel 95°
Temp. Diesel 95°



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STROOMKRINGSHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

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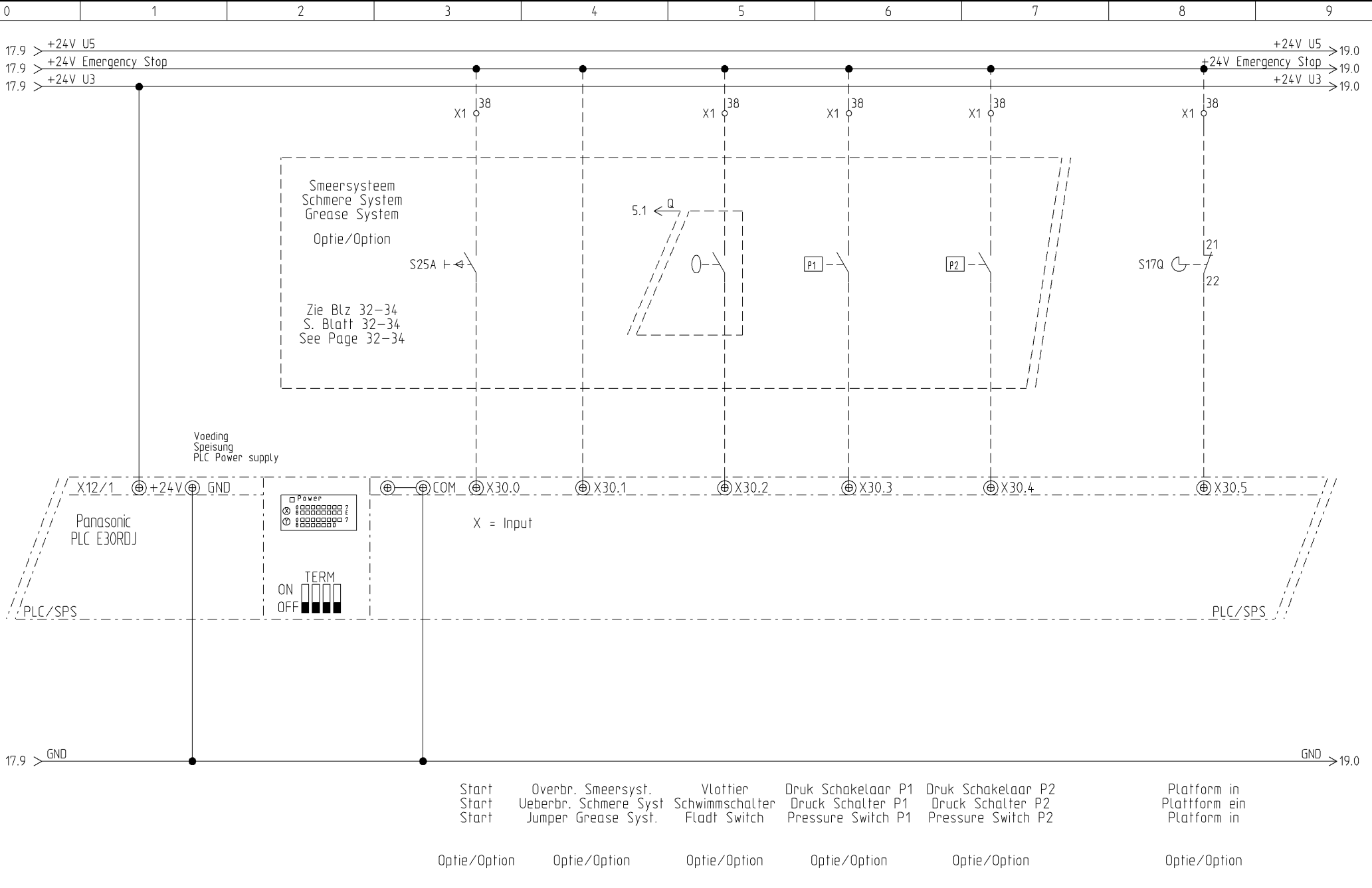


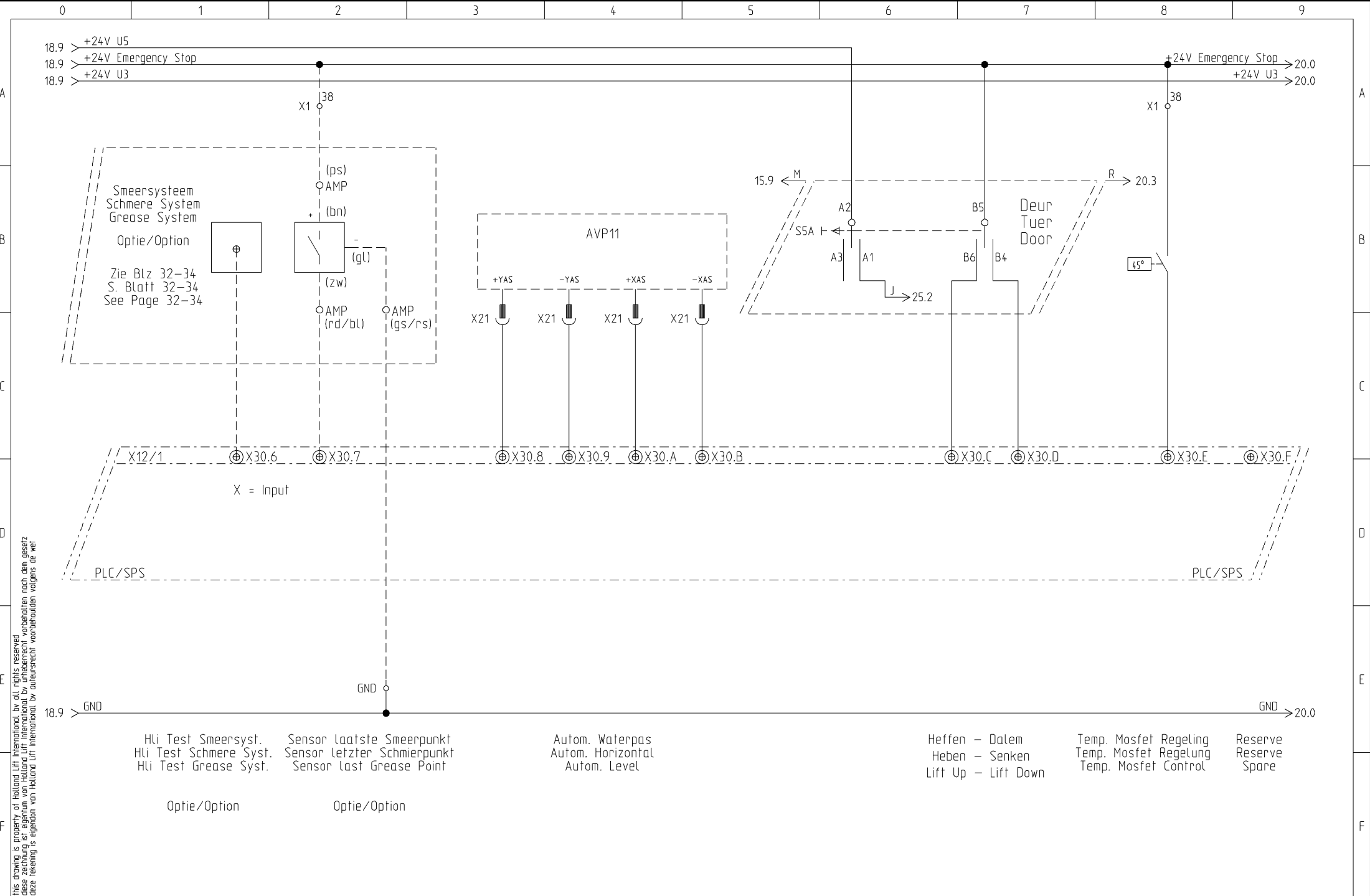
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STROOMKRINGSCHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

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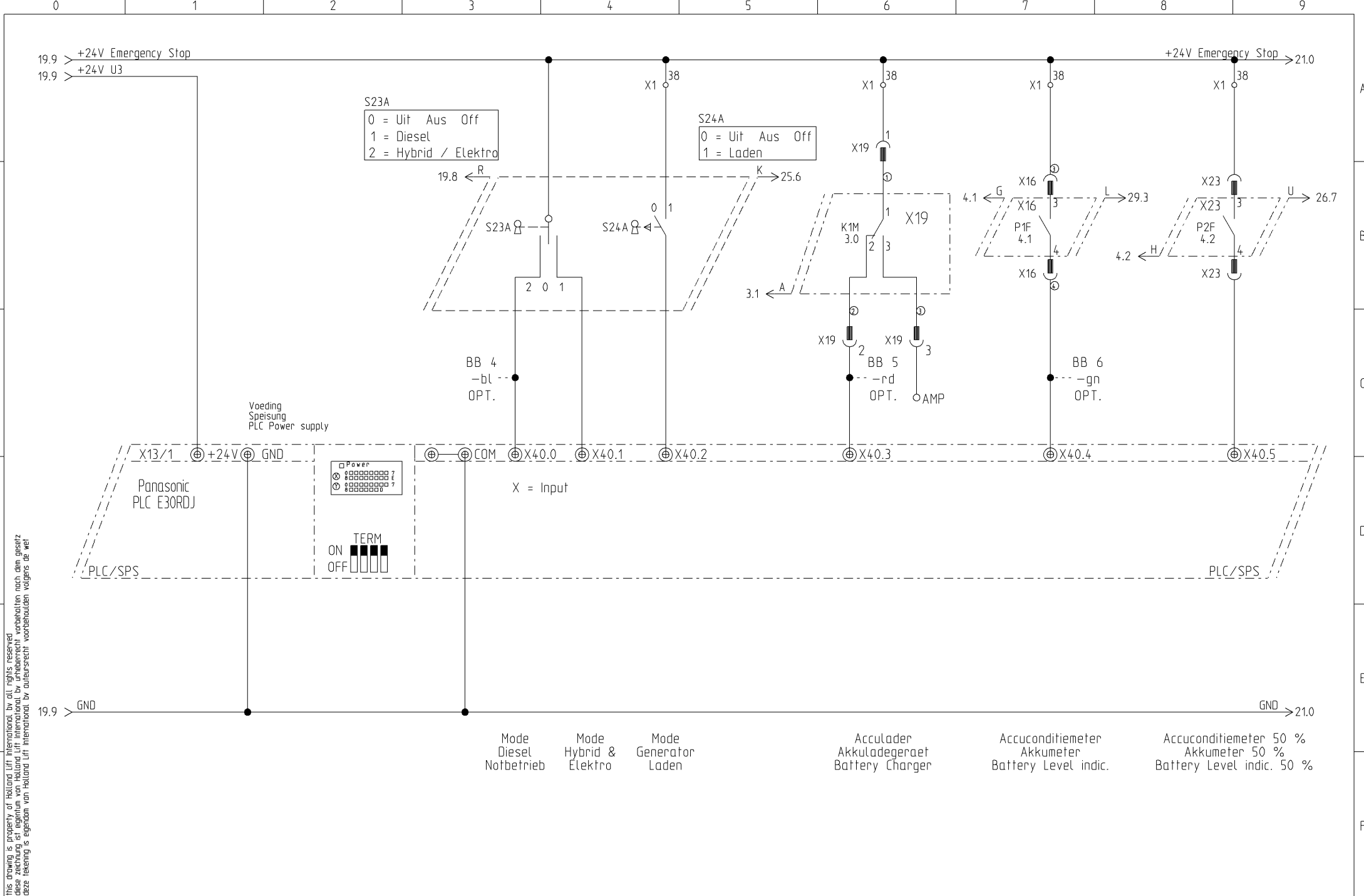


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- Hli Test Smeersyst.
Hli Test Schmere Syst.
Hli Test Grease Syst.

Optie/Option
- Sensor laatste Smeerpoint
Sensor letzter Schmierpunkt
Sensor last Grease Point

Optie/Option
- Autom. Waterpas
Autom. Horizontal
Autom. Level
- Heffen - Dalem
Heben - Senken
Lift Up - Lift Down
- Temp. Mosfet Regeling
Temp. Mosfet Regelung
Temp. Mosfet Control
- Reserve
Reserve
Spare



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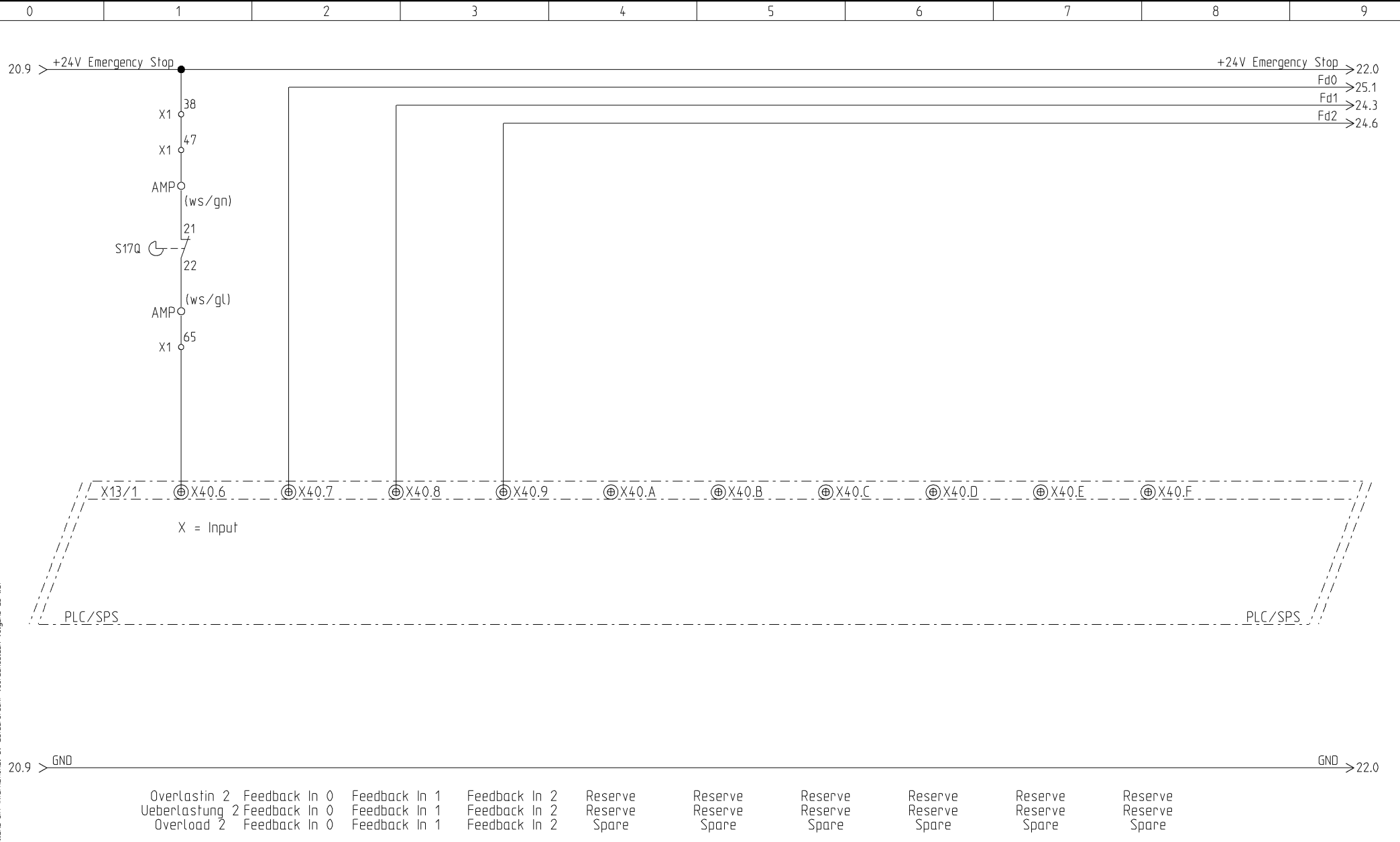


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STROOMKRINGSHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

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		=	+	Blatt:
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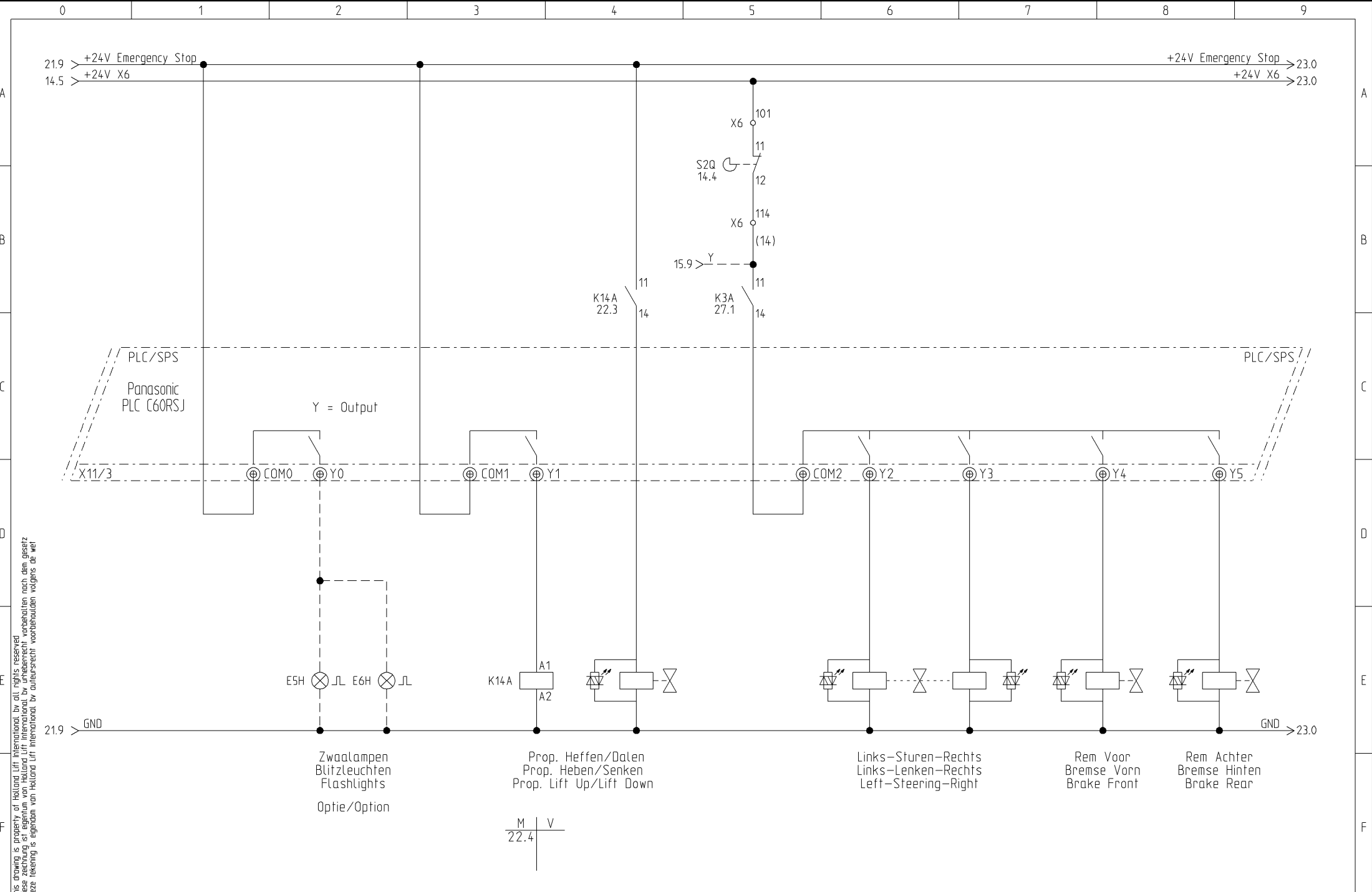
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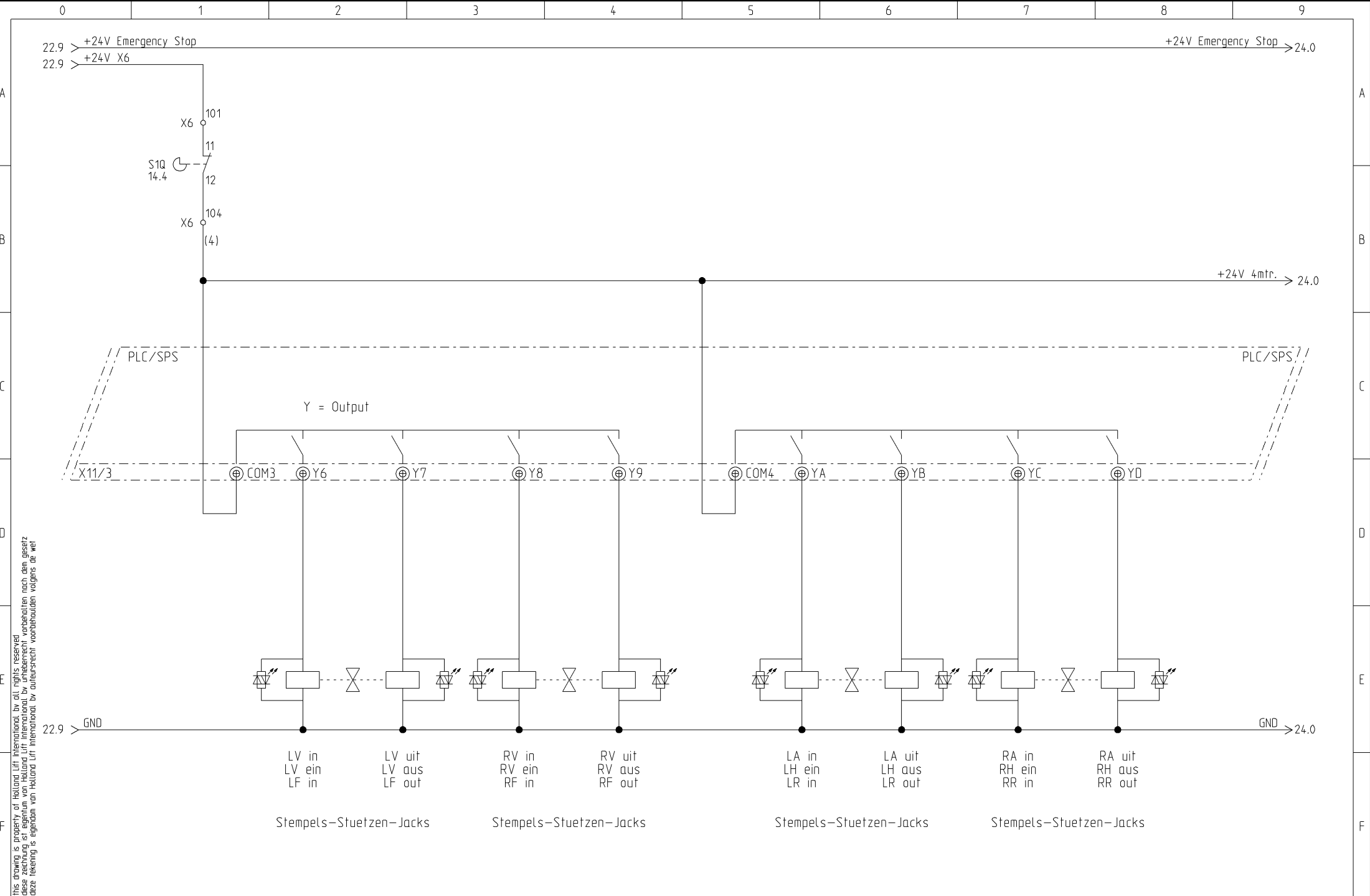
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STROOMKRINGSHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

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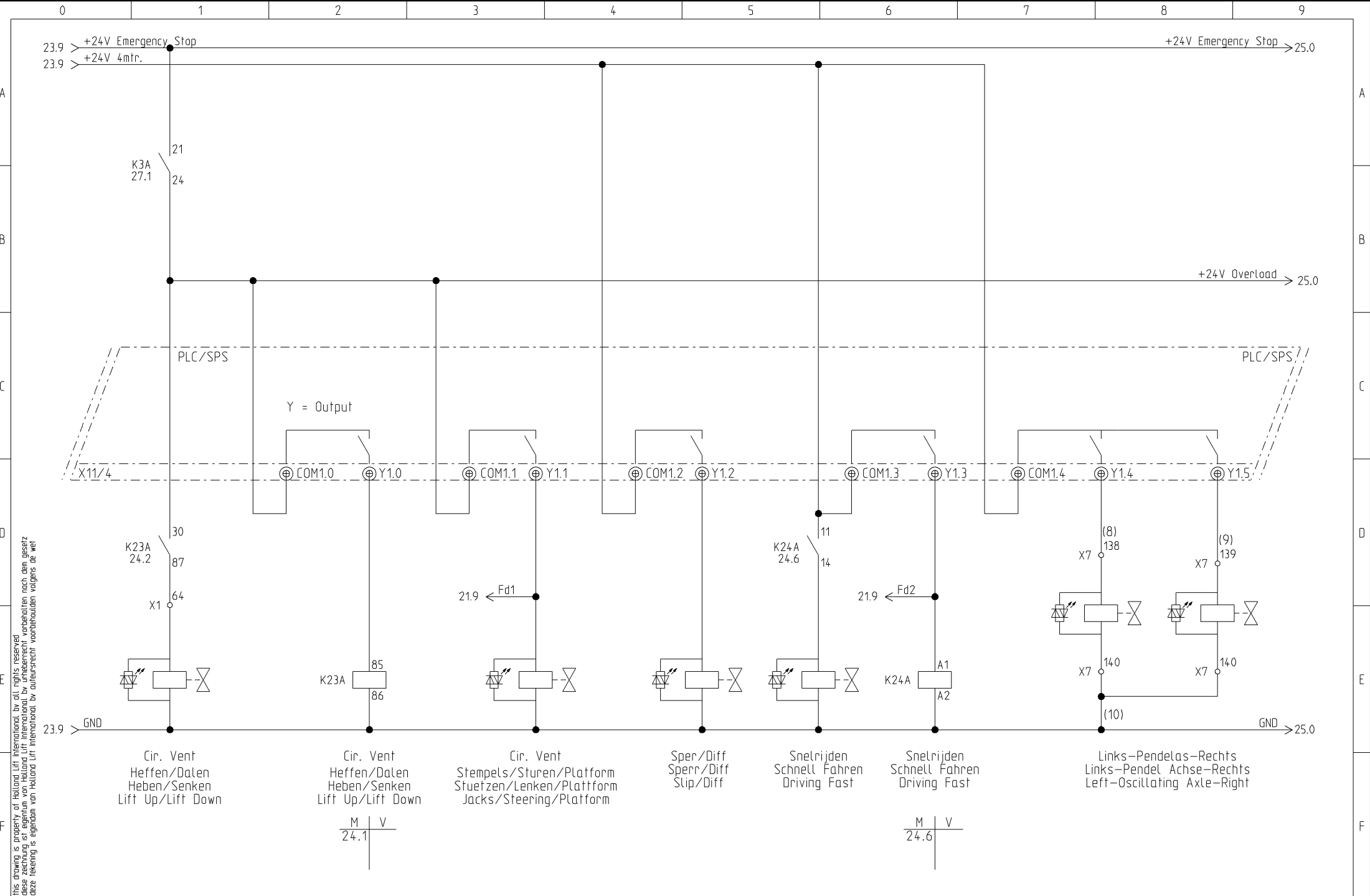
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STROOMKRINGSCHEMA
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 CIRCUIT DIAGRAM

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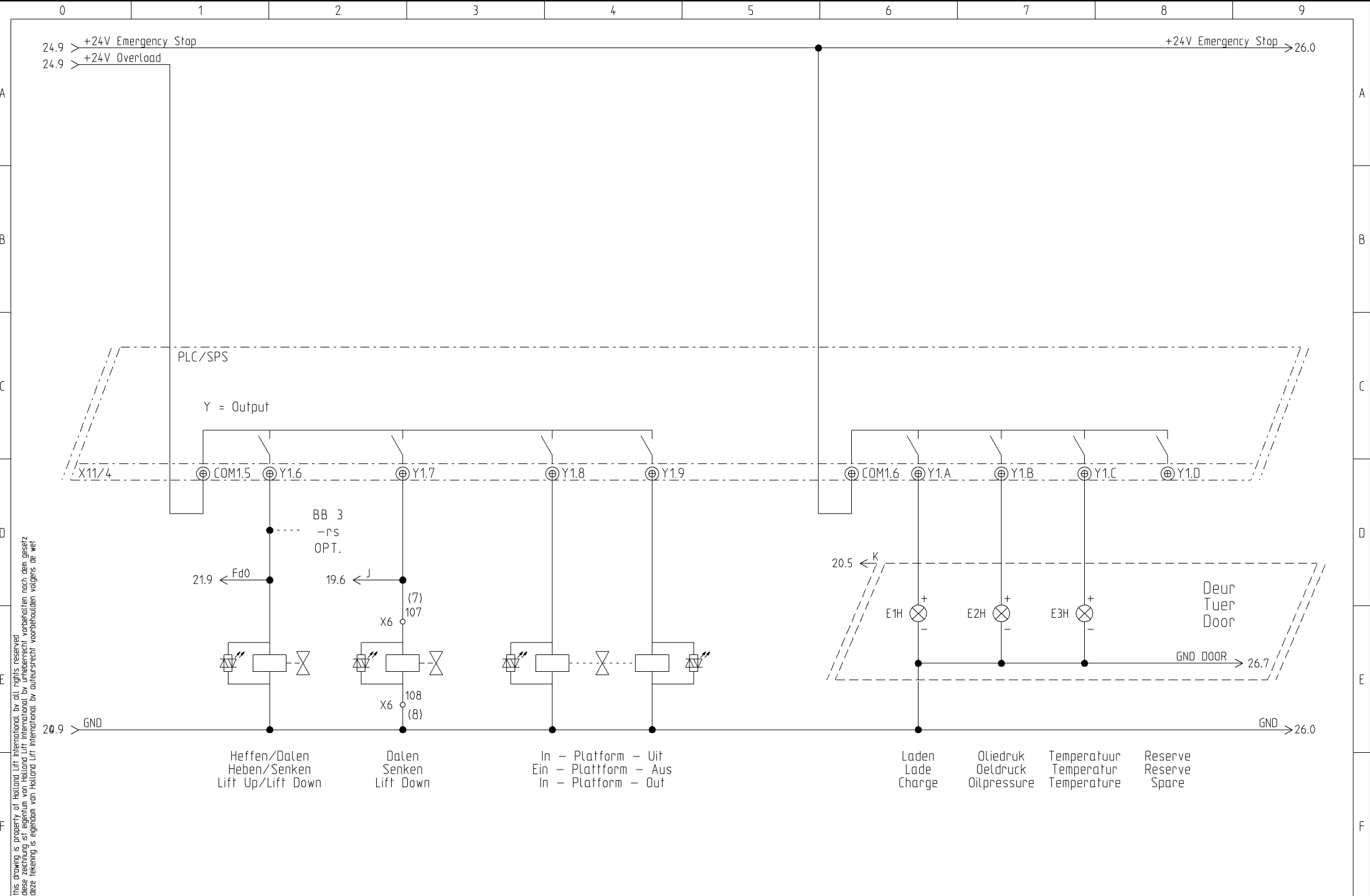
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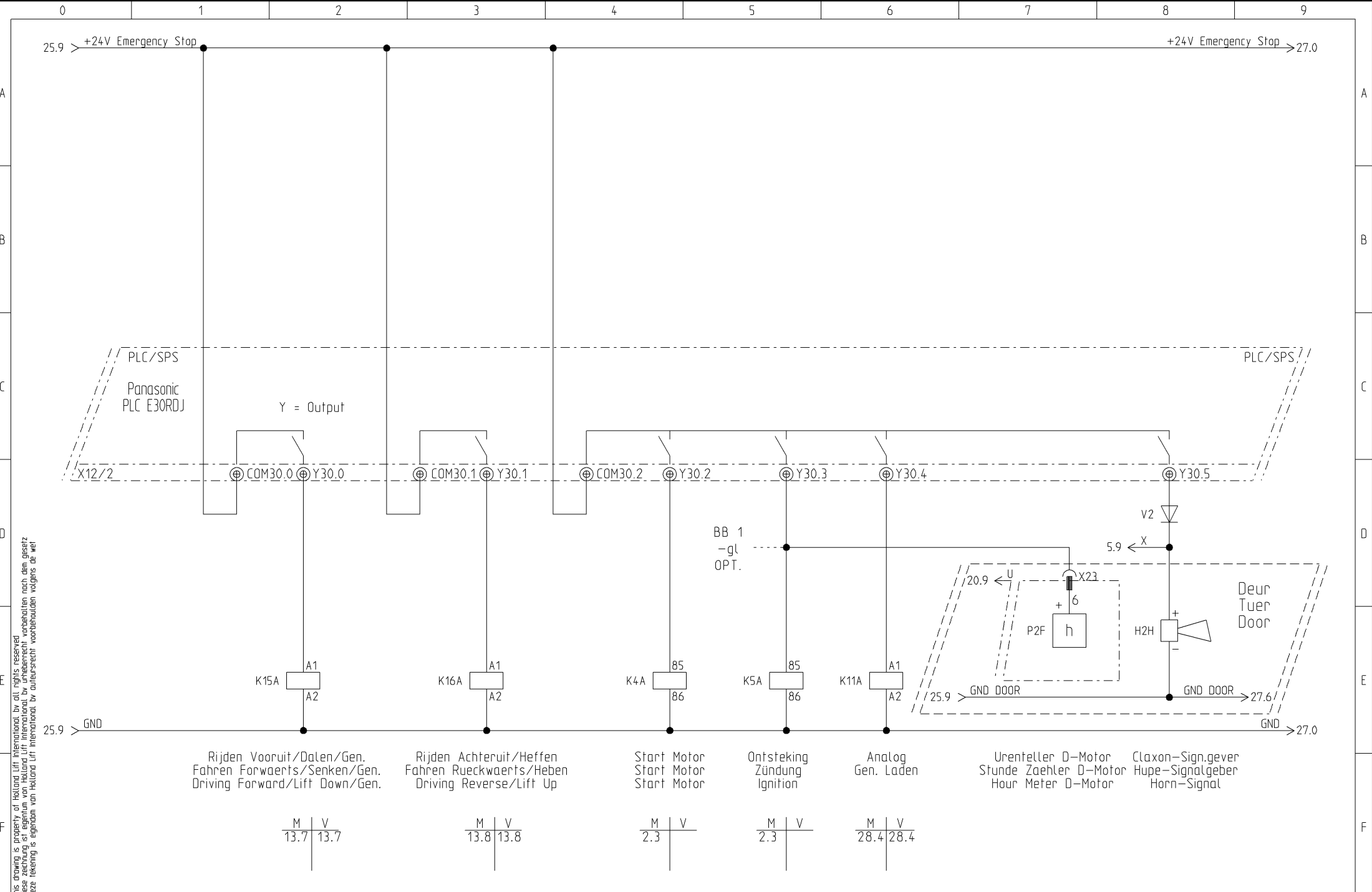
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 STROMLAUFPLAN
 CIRCUIT DIAGRAM

Projekt:	EM-21-002	Zeichnungsnummer:	Rev.:	erstellt von:
Datum:	19.10.2017	Anlage:	Ort:	Rothenbusch
				Blatt:
				24

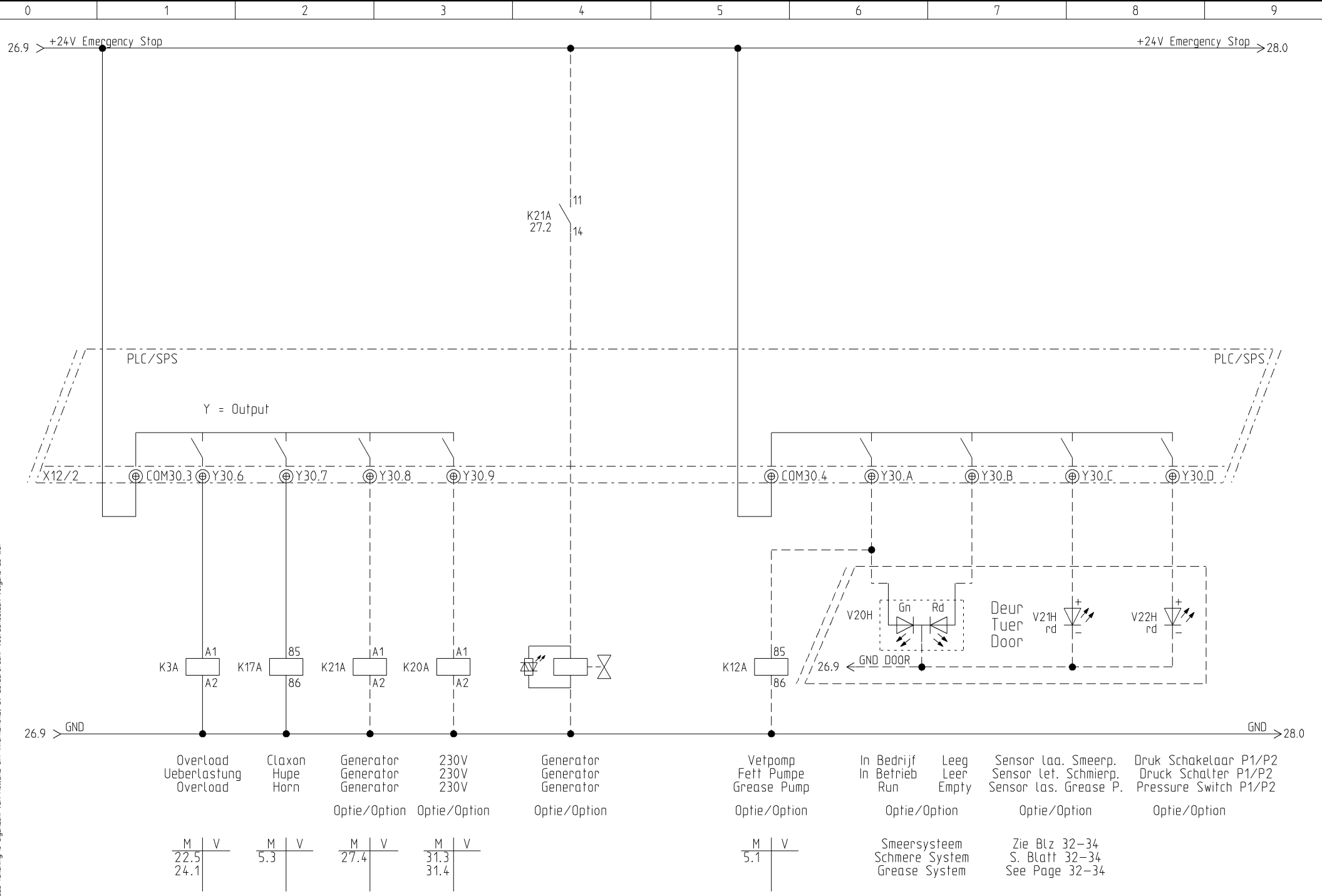


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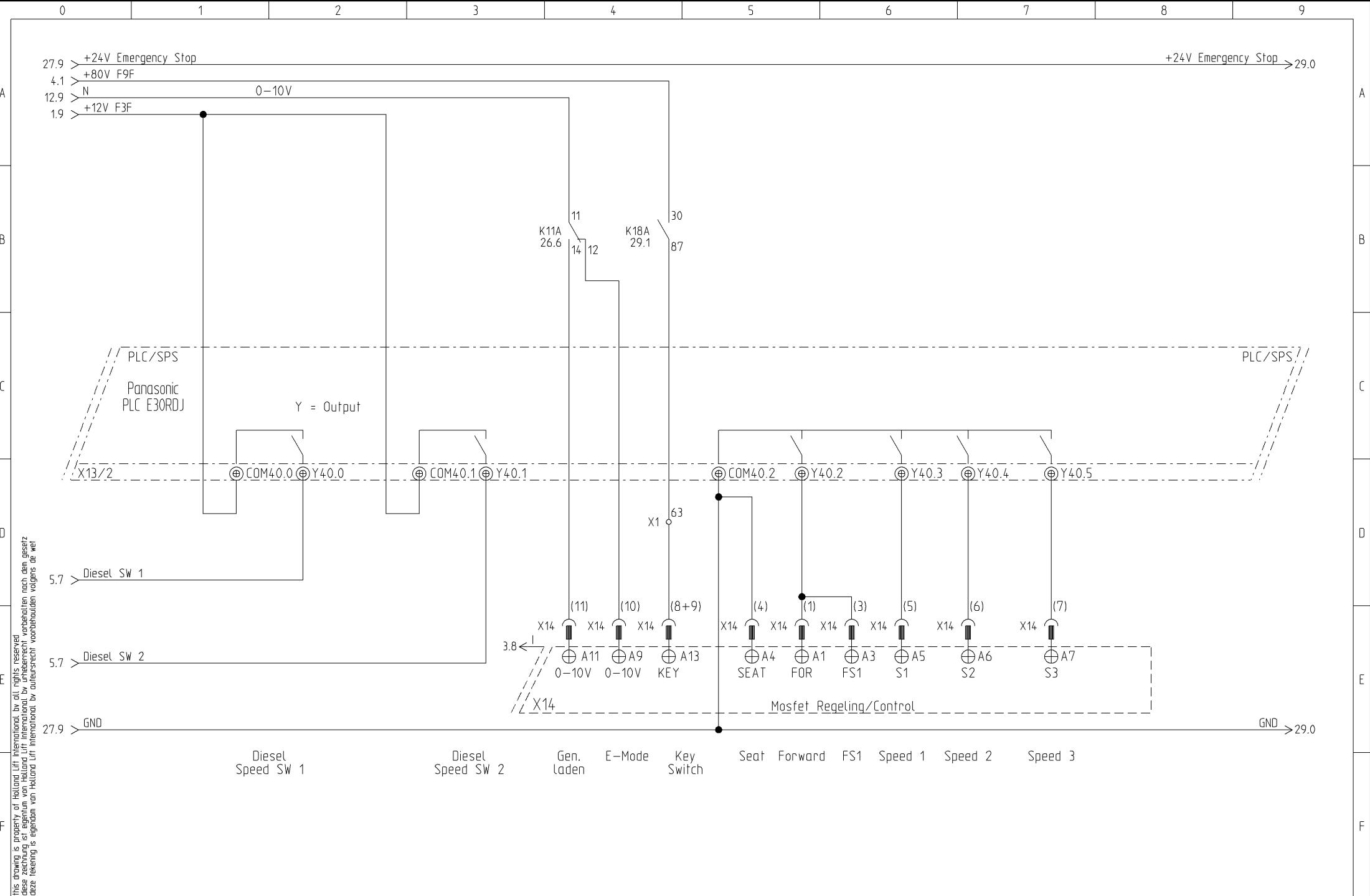
Overload Ueberlastung OverLoad	Claxon Hupe Horn	Generator Generator Generator	230V 230V 230V	Generator Generator Generator	Vetpomp Fett Pumpe Grease Pump	In Bedrijf In Betrieb Run	Leeg Leer Empty	Sensor laa. Sensor let. Sensor las.	Smeerp. Schmierp. Grease P.	Druk Schakelaar P1/P2 Druck Schalter P1/P2 Pressure Switch P1/P2
		Optie/Option	Optie/Option	Optie/Option	Optie/Option	Optie/Option	Optie/Option	Optie/Option	Optie/Option	Optie/Option
M V 22.5 24.1	M V 5.3	M V 27.4	M V 31.3 31.4		M V 5.1					
						Smeersysteem Schmere System Grease System		Zie Blz 32-34 S. Blatt 32-34 See Page 32-34		



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STROOMKRINGSHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

Projekt: EM-21-002	Zeichnungsnummer:	Rev.:	erstellt von: Rothenbusch
Datum: 19.10.2017	Anlage: =	Ort: +	Blatt: 27



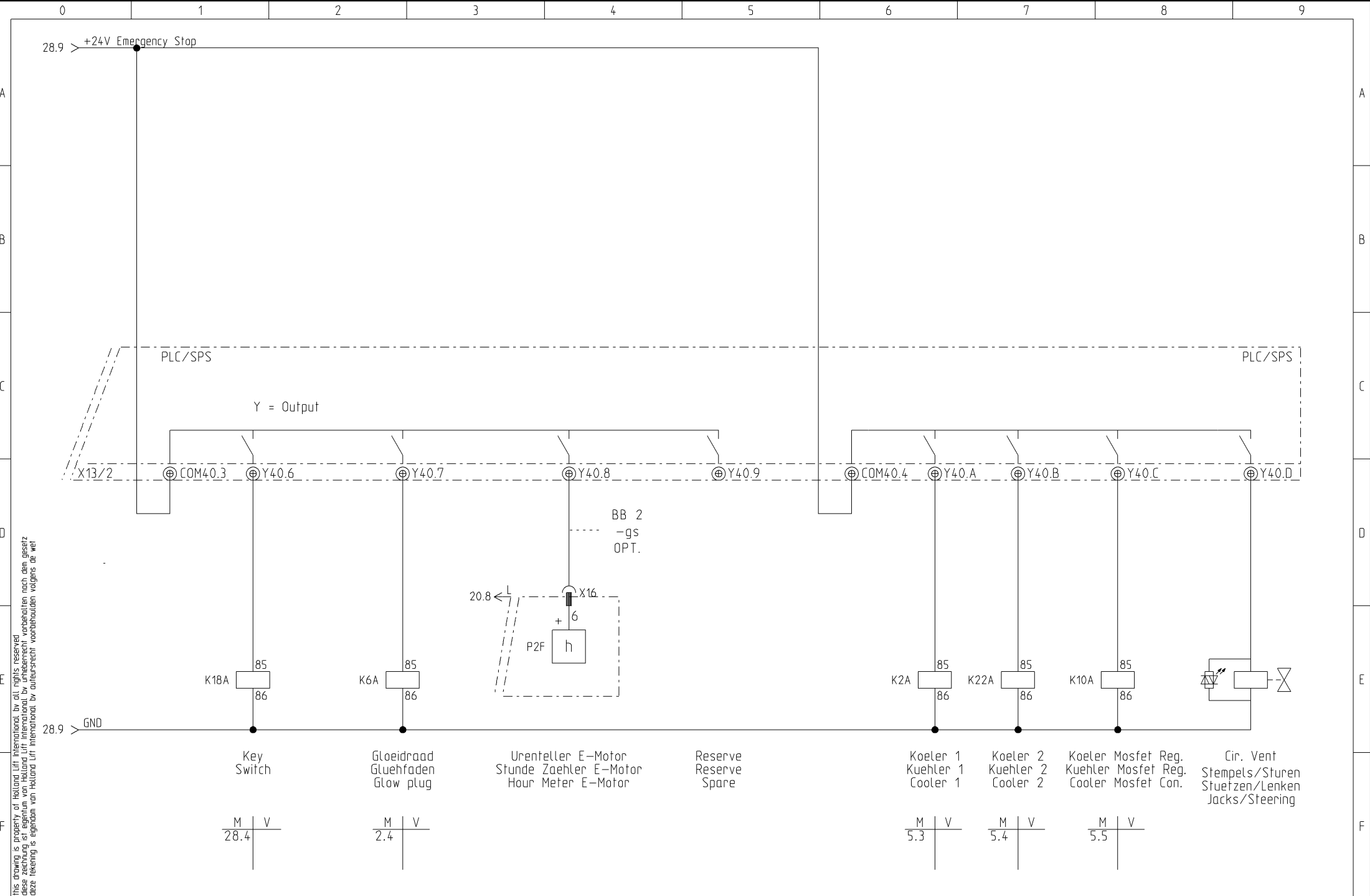
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STROOMKRINGSCHEMA
 STROMLAUFPLAN
 CIRCUIT DIAGRAM

Projekt:	EM-21-002	Zeichnungsnummer:	Rev.:	erstellt von:
Datum:	19.10.2017	Anlage:	Ort:	Rothenbusch
		=	+	Blatt: 28

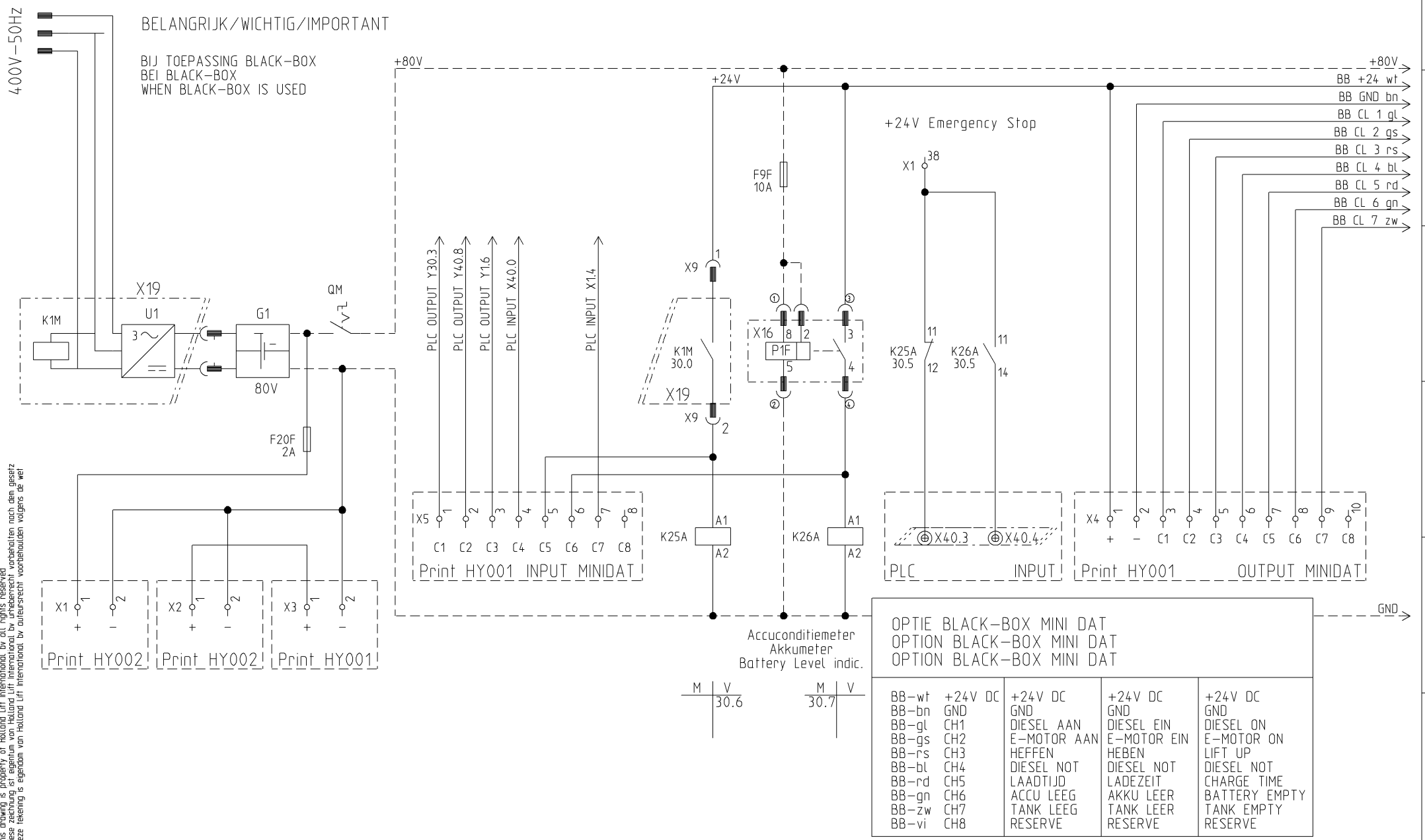


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OPTIES OPTIONEN OPTIONS

BELANGRIJK/WICHTIG/IMPORTANT

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



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OPTIES
 OPTIONEN
 OPTIONS

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

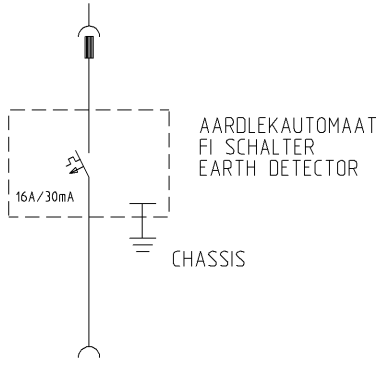
Projekt:	EM-21-002	Zeichnungsnummer:	Rev.:	erstellt von:
Datum:	19.10.2017	Antage:	Ort:	Rothenbusch
				Blatt:
				30

OPTIES
OPTIONEN
OPTIONS

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

<230VPLF>

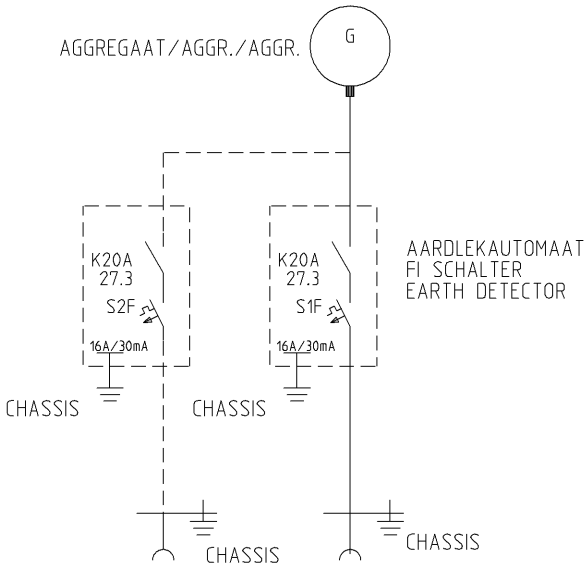
230V-50Hz/115V-50Hz



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

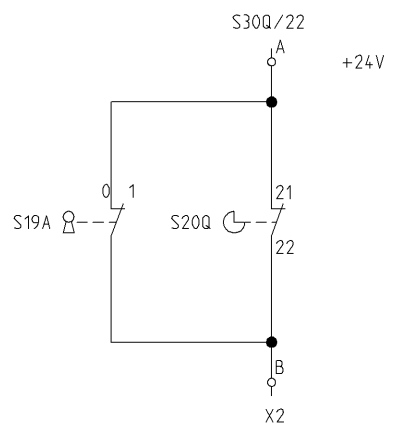
<230V-GEN>

230V-50Hz/115V-50Hz



2e HOOGTE AFLSAG
2e HOEHE AUSSCHALTUNG
2nd HEIGHT CUT-OUT

<2HA>

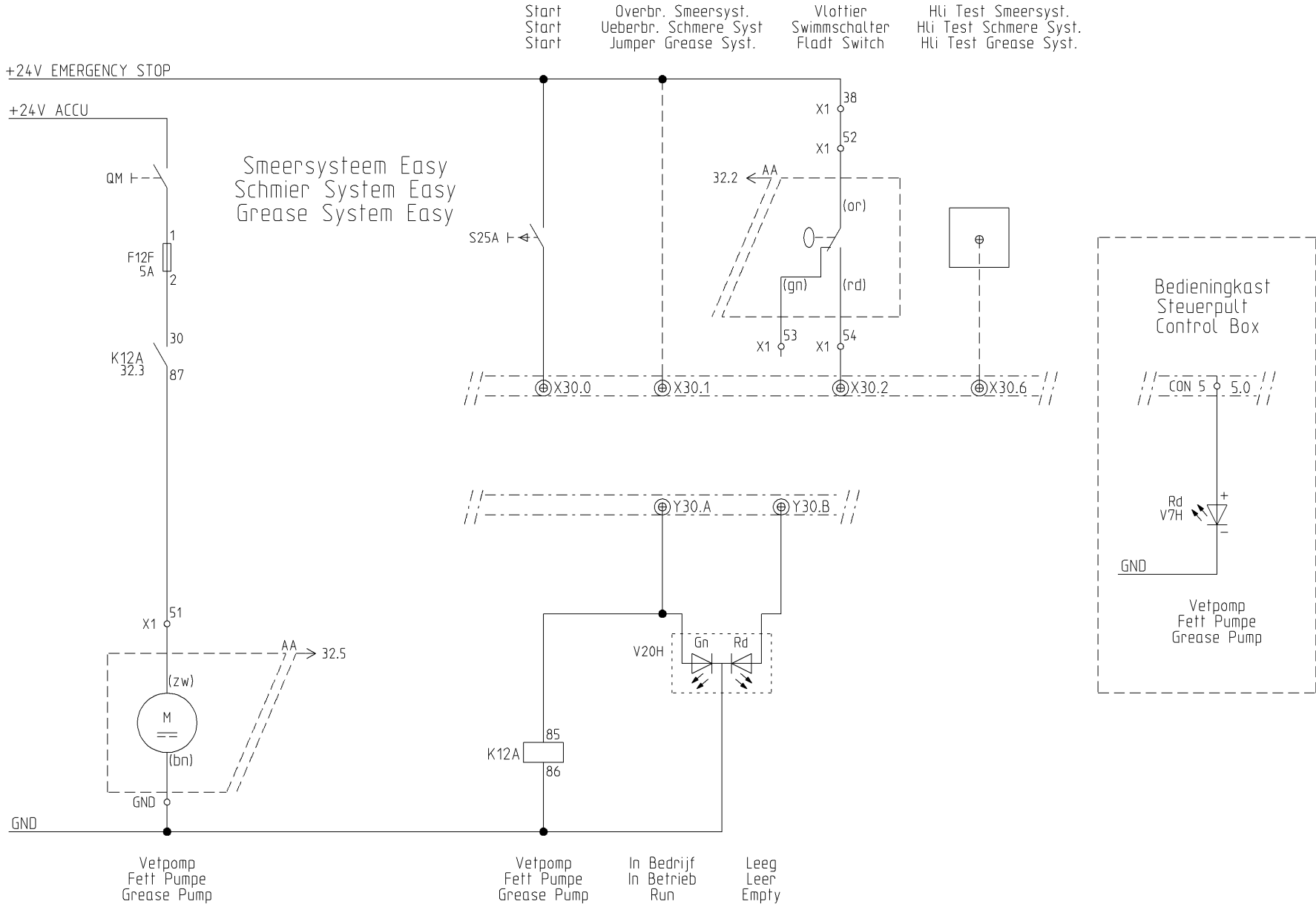


Zie Blz 14
S. Blatt 14
See Page 14

S19A
0 = Max. Hoogte/Max. Hoehe/Max. Height
1 = 2e HOOGTE AFL./2e H. AUSS./2nd H. CUT-OUT

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OPTIES
OPTIONEN
OPTIONS



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OPTIES
OPTIONEN
OPTIONS

Projekt: EM-21-002	Zeichnungsnummer:	Rev.:	erstellt von: Rothenbusch
Datum: 19.10.2017	Anlage: =	Ort: +	Blatt: 32

OPTIES OPTIONEN OPTIONS

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

+24V EMERGENCY STOP

+24V ACCU

Smeersysteem Beka
Schmier System Beka
Grease System Beka

QM

F12F
5A

S25A

K12A
33.2

33.1

X1 38

X1 52

X25 3

X25 5

X1 53

X25 4

X1 54

X25 6

X1 55

X25 7

X1 56

X25 8

X1 56

X25 9

X1 38

X1 47

(ps)

AMP

(bn)

(zw)

AMP

(rd/bl)

X1 57

AMP

(gs/rs)

X30.0

X30.1

X30.2

X30.3

X30.4

X30.6

X30.7

Y30.A

Y30.B

Y30.C

Y30.D

X1 51

X25 1

X25 2

GND

K12A

85

86

V20H

Gn

Rd

V21H

rd

V22H

rd

GND

Rd

V4H

GND

Vetpomp

Fett Pumpe

Grease Pump

Bedieningkast
Steuerpult
Control Box

CON 5 0 5.0

Vetpomp
Fett Pumpe
Grease Pump

Vetpomp
Fett Pumpe
Grease Pump

Vetpomp
Fett Pumpe
Grease Pump

In Bedrijf
In Betrieb
Run

Leeg
Leer
Empty

Sensor laatste Smeerpunt
Sensor letzter Schmierpunkt
Sensor Last Grease Point

Druk Schakelaar P1/P2
Druck Schalter P1/P2
Pressure Switch P1/P2

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OPTIES
OPTIONEN
OPTIONS

Projekt:
EM-21-002

Zeichnungsnummer:

Rev.:

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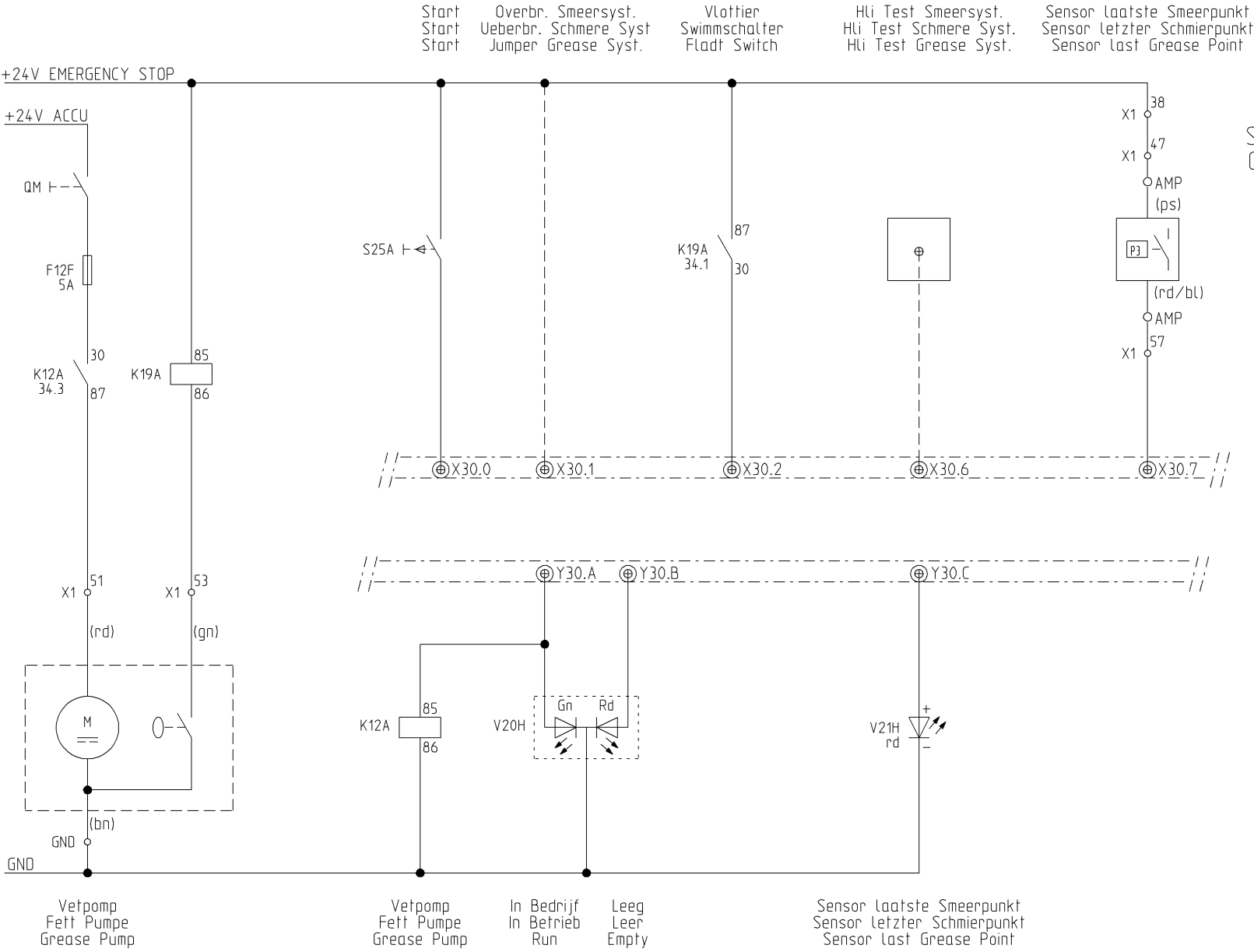
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19.10.2017

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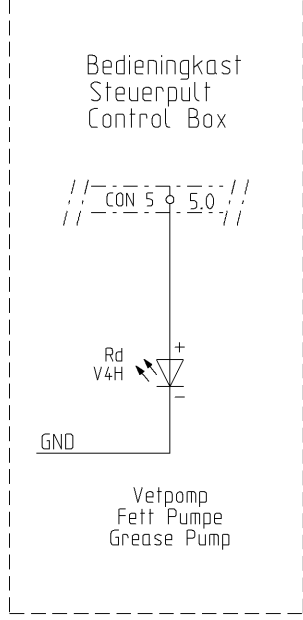
Ort:

Blatt:
33

OPTIES
OPTIONEN
OPTIONS



Smeersysteem Groeneveld
Schmier System Groeneveld
Grease System Groeneveld

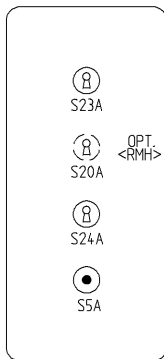
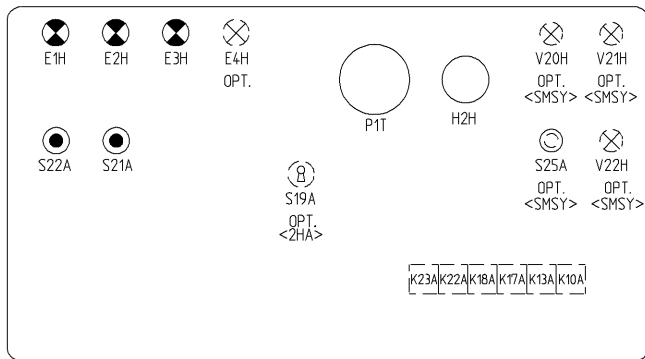


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KLEMMENKAST

KLEMMENKASTEN

CONNECTION BOX

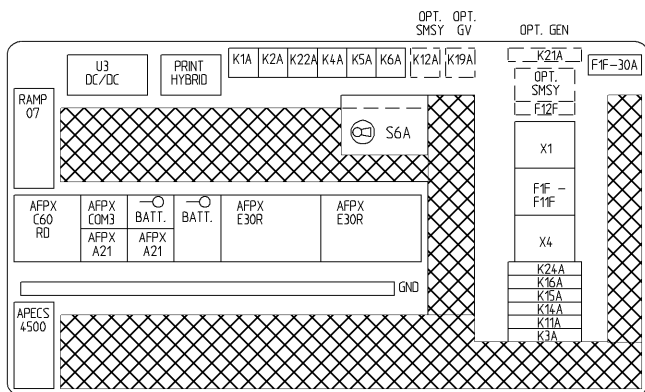


OPT.
<SMSY>

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

49	65	65	49
48	64	64	48
47	63	63	47
46	62	62	46
45	61	61	45
44	60	60	44
43	59	59	43
42	58	58	42
41	50	50	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

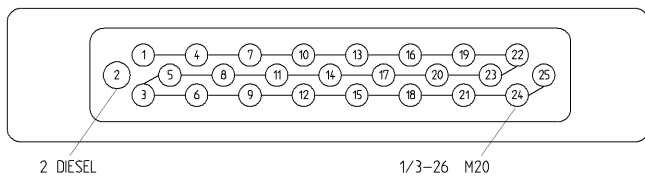
Colour schedule			
Colour	Dutch	English	Deutsch
Rd	Rood	Red	Rot
Bl	Blauw	Blue	Blau
Gt	Geel	Yellow	Gelb
Gn	Groen	Green	Grün
Zw	Zwart	Black	Schwarz
Wt	Wit	White	Weiss
Bn	Bruin	Brown	Braun
Rs	Roze	Pink	Rosa
Or	Oranje	Orange	Orange
Ps	Paars	Violet	Violett
Tp	Transp.	Transp.	Transp.
Gs	Grijs	Grey	Grau



X1

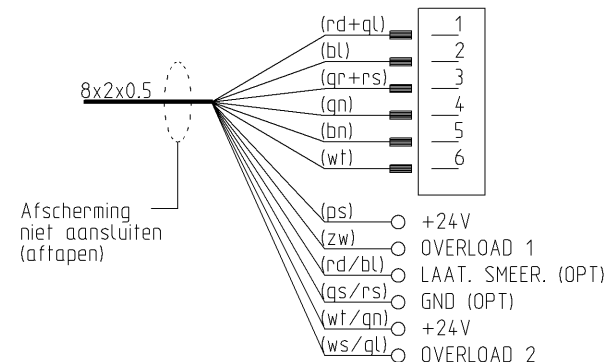
	F13F	10A	
	F11F	7.5A	
	F10F	10A	
	F9F	10A	
	F8F	5A	
	F7F	5A	
	F6F	5A	
	F5F	20A	
	F4F	20A	
	F3F	10A	
	F2F	20A	

AANSluiting OP PLATFORM
ANSchluss AUf PLATTFORM
CONNECTION ON PLATFORM



X4

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



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KLEMMENKAST KLEMMENKASTEN CONNECTION BOX

WARTEL KABELEINF. GLAND NR.	KLEM KLEMMEN TERMINAL NR	FUNKTIE	FUNKTION	FUNCTION
1.1	φ 15	+12V Diesel	+12V Diesel	+12V Diesel
1.2	GND	GND Diesel	GND Diesel	GND Diesel
1.3	φ 1	+ Generator	+ Generator	+ Generator
2	DIV/VAR	Diesel X5	Diesel X5	Diesel X5
3.1	φ 38-GND-X7	Scheefstand	Neigung	Inclination
3.2	DIV/VAR	Auto Niv.	Auto Niv.	Auto Niv.
3.3	φ 38-GND-X8	Scheefstand Opt.	Neigung Opt.	Inclination Opt.
4.1	DIV/VAR	Koeler	Kuehler	Cooler
4.2	YA-GND	Stempels LA in	Stuetzen LH ein	Jacks LR in
4.3	YB-GND	Stempels LA uit	Stuetzen LH aus	Jacks LR out
5.1	YC-GND	Stempels RA in	Stuetzen RH ein	Jacks RR in
5.2	YD-GND	Stempels RA uit	Stuetzen RH aus	Jacks RR out
5.3	YE-GND	Stempels LV in	Stuetzen LV ein	Jacks LF in
6.1	Y7-GND	Stempels LV uit	Stuetzen LV aus	Jacks LF out
6.2	Y8-GND	Stempels RV in	Stuetzen RV ein	Jacks RF in
6.3	Y9-GND	Stempels RV uit	Stuetzen RV aus	Jacks RF out
7	DIV/VAR	Lasdoos voor X6	Verdeelersdoos vorn X6	Connect. Box front X6
8	DIV/VAR	Lasdoos achter X7	Verdeelersdoos hinten X7	Connect. Box rear X7
9.1	Y1.2-GND	Sper/Diff. Ventiel	Sperr/Diff. Ventil	Stip/Diff. Valve
9.2	K24A:14-GND	Snelrijden	Schnell Fahren	Driving Fast
9.3	Y1.1-GND	Cir. Ve. Stu.-Pla.-Stu.	Cir. Ve. Len.-Pla.-Stu.	Cir. Va. Ste.-Pla.-Jac.
10.1	Y1.6-GND	Heffen/Dalen	Heben/Senken	Lift Up/Lift Down
10.2	Y5-GND	Rem Achter	Bremse Hinten	Brake Rear
10.3	Y4-GND	Rem Voor	Bremse Vorn	Brake Front
11.1	Y4.0.D-GND	Cir. Ventiel Stempels	Cir. Ventil Stuetzen	Cir. Valve Jacks
11.2	φ 64 -GND	Cir. Heffen/Dalen	Cir. Heben/Senken	Cir. Lift Up/Lift Down
11.3	Y2-GND	Sturen Links Voor	Lenken Links Vorn	Steering Left Front
12.1	Y3-GND	Sturen Rechts Voor	Lenken Rechts Vorn	Steering Right Front
12.2	Y1.8-GND	Platform in	Plattform ein	Platform in
12.3	Y1.9-GND	Platform uit	Plattform aus	Platform out
13.1	φ 59 -φ 60	Prop. Ventiel A	Prop. Ventil A	Prop. Valve A
13.2	φ 61 -φ 62	Prop. Ventiel B	Prop. Ventil B	Prop. Valve B
13.3	K21A:14-GND	Hydr. Aggregaat Opt.	Hydr. Aggr. Opt.	Hydr. Aggr. Opt.

WARTEL KABELEINF. GLAND NR.	KLEM KLEMMEN TERMINAL NR	FUNKTIE	FUNKTION	FUNCTION
14.1	DIV/VAR	RPM Teller Gen. Opt.	RPM Zaehler Gen. Opt.	RPM Meter Gen. Opt.
14.2	Y30.9-GND	Relais Aggregaat Opt.	Relais Aggr. Opt.	Relais Aggr. Opt.
14.3	K14A:14-GND	Prop. Heffen/Dalen	Prop. Heben/Senken	Prop. Lift Up/Lift Do.
15.1	φ 39 AMP	Tank leeg 1	Tank leer 1	Tank empty 1
15.2	AMP-X1.4	Tank leeg 2	Tank leer 2	Tank empty 2
15.3	φ 39 -X1.6	Temp. Hd. Olie	Temp. Hd. Oel	Temp. Hd. Oil
16.1	DIV/VAR	Smeersysteem Opt.	Schmiere System Opt.	Grease System Opt.
16.2	DIV/VAR	Black-Box Opt.	Black-Box Opt.	Black-Box Opt.
17	DIV/VAR	WCD Onderwagen 6PM	WCD Unterwagen 6PM	Socket Below 6PM
18	DIV/VAR	WCD Platform 6PM	WCD Plattform 6PM	Socket Platform 6PM
19	DIV/VAR	Stekker Onderw. 6PF	Stecker Unterw. 6PF	Plug Below 6PF
20.1	DIV/VAR	Akkumeter	Akkumeter	Batterymeter
20.2	Y0-GND	Zwaaillamp Opt.	Blitzleuchte Opt.	Flashlight Opt.
20.3	Y0-GND	Zwaaillamp Opt.	Blitzleuchte Opt.	Flashlight Opt.
21.1	DIV/VAR	Acculader	Akkuladegeraet	Battery Charger
21.2	φ 58 -GND	Claxon	Horn	Horn
21.3	DIV/VAR	Frame Dieselmotor	Frame Dieselmotor	Frame Diesel Engine
22	DIV/VAR	Mosfet Motorreg.	Mosfet Motorreg.	Mosfet Motor Con.
23.1	φ 15 -GND	Ventilator Mosfet	Ventilator Mosfet	Fan Mosfet
23.2	φ 38 -X30.E	Temp. Mosfet Regeling	Temp. Mosfet Regelung	Temp. Mosfet Control
23.3	φ 13 -GND	Ventilator Diesel 1	Ventilator Diesel 1	Fan Diesel 1
23.4	φ 14 -GND	Ventilator Diesel 2	Ventilator Diesel 2	Fan Diesel 2
24.1 & .2	φ 17	+80V Om. U2 & U4	+80V Wandler U2 & U4	+80V Con. U2 & U4
24.3 & .4	V1	+24V Om. U2 & U4	+24V Wandler U2 & U4	+24V Con. U2 & U4
24.5 - .8	GND	GND Om. U2 & U4	GND Wandler U2 & U4	GND Con. U2 & U4
25.1	φ 20	+80V Electric	+80V Elektro	+80V Electric
25.2	GND	GND Electric	GND Elektro	GND Electric
25.3	φ 17	+80V Omvormer U5	+80V Wandler U5	+80V Converter U5
25.4	φ 16	+24V Omvormer U5	+24V Wandler U5	+24V Converter U5
25.5 & .6	GND	GND Omvormer U5	GND Wandler U5	GND Converter U5

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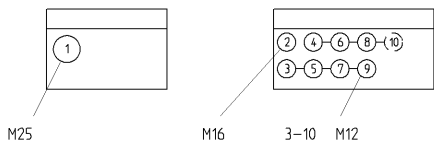
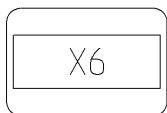
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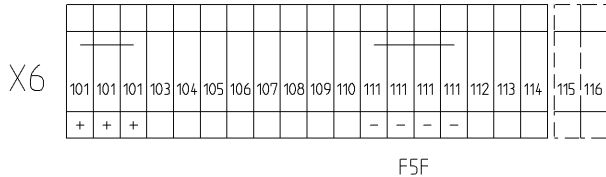
KASTEN/BEKABELING
 KASTEN/KABEL
 BOXES/CABLES

Projekt:	EM-21-002	Zeichnungsnummer:	Rev.:	erstellt von:
Datum:	19.10.2017	Antage:	Ort:	Rothenbusch
		=	+	Blatt: 36

LASDOOS AFSLAGEN
VERTEILERDOSE HOEHEAUSCHALTUNG
MAXIMUM HEIGHT DISTRBUOR BOX



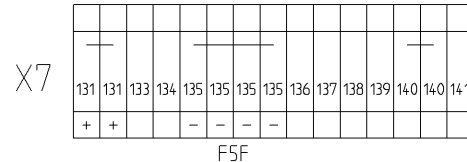
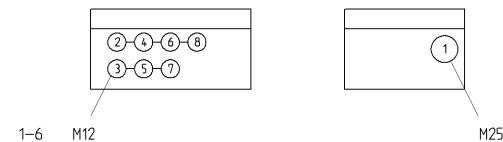
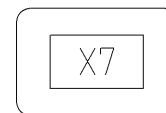
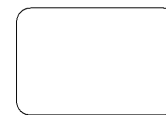
OPT.
<2HA>



FSF

NR.	Omschrijving	Beschreibung	Descreption
1	Kabel Klemmenkast	Kabel Klemmenkasten	Cable Connection Box
2	4mtr. Afslag S1Q	4mtr. Ausschaltung S1Q	4mtr. Cut-out S1Q
3	8mtr. Afslag S2Q	8mtr. Ausschaltung S2Q	8mtr. Cut-out S2Q
4	Max. Hooqte Afslag S3Q	Max. Hoehe Ausschaltung S3Q	Max. Height Cut-out S3Q
5	Dalen	Senken	Lift Down
6	Eindschak. LV in S9Q	Endschalter LV ein S9Q	Limit Switch LF in S9Q
7	Eindschak. LV uit S13Q	Endschalter LV aus S13Q	Limit Switch LF out S13Q
8	Eindschak. RV in S10Q	Endschalter RV ein S10Q	Limit Switch RF in S10Q
9	Eindschak. RV uit S14Q	Endschalter RV aus S14Q	Limit Switch RF out S14Q
10	2e hooqte Afslag Optie	2e hoehe Ausschaltung Option	2nd height cut-out Option

LASDOOS ACHTER
VERTEILERDOSE HINTEN
DISTRBUOR BOX REAR



FSF

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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KASTEN/BEKABELING
KASTEN/KABEL
BOXES/CABLES

Projekt:
EM-21-002

Zeichnungsnummer:

Rev.:

erstellt von:
Rothenbusch

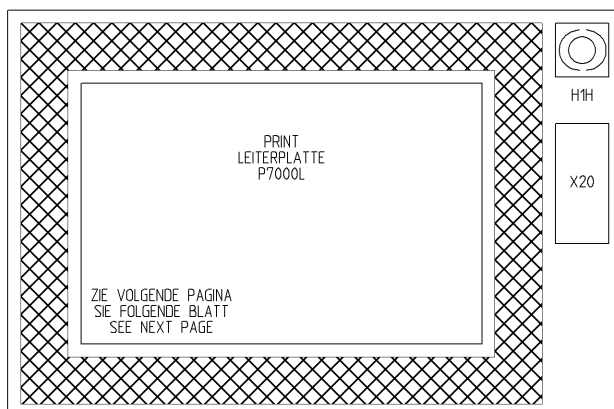
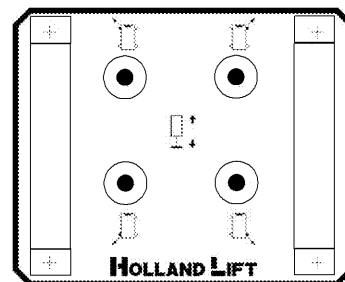
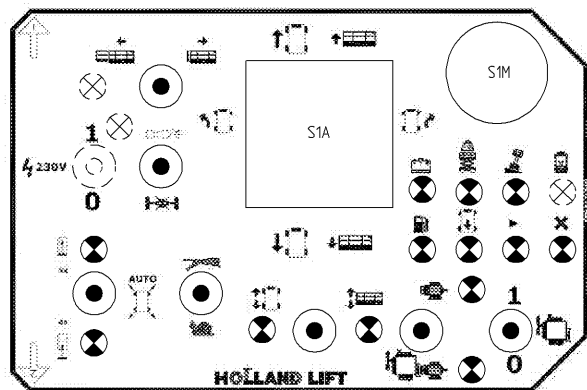
Datum:
19.10.2017

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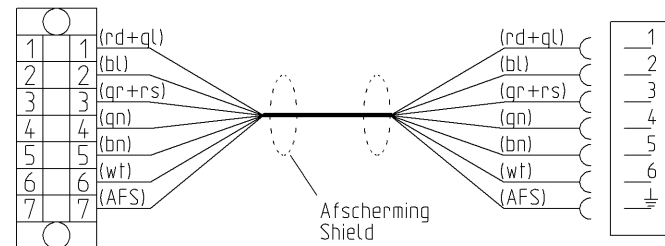
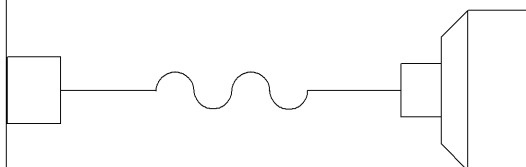
Ort:

Blatt:
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BEDIENINGSKAST STEUERPULT CONTROL BOX



Colour schedule			
Colour	Dutch	English	Deutsch
Rd	Rood	Red	Rot
Bl	Blauw	Blue	Blau
Gt	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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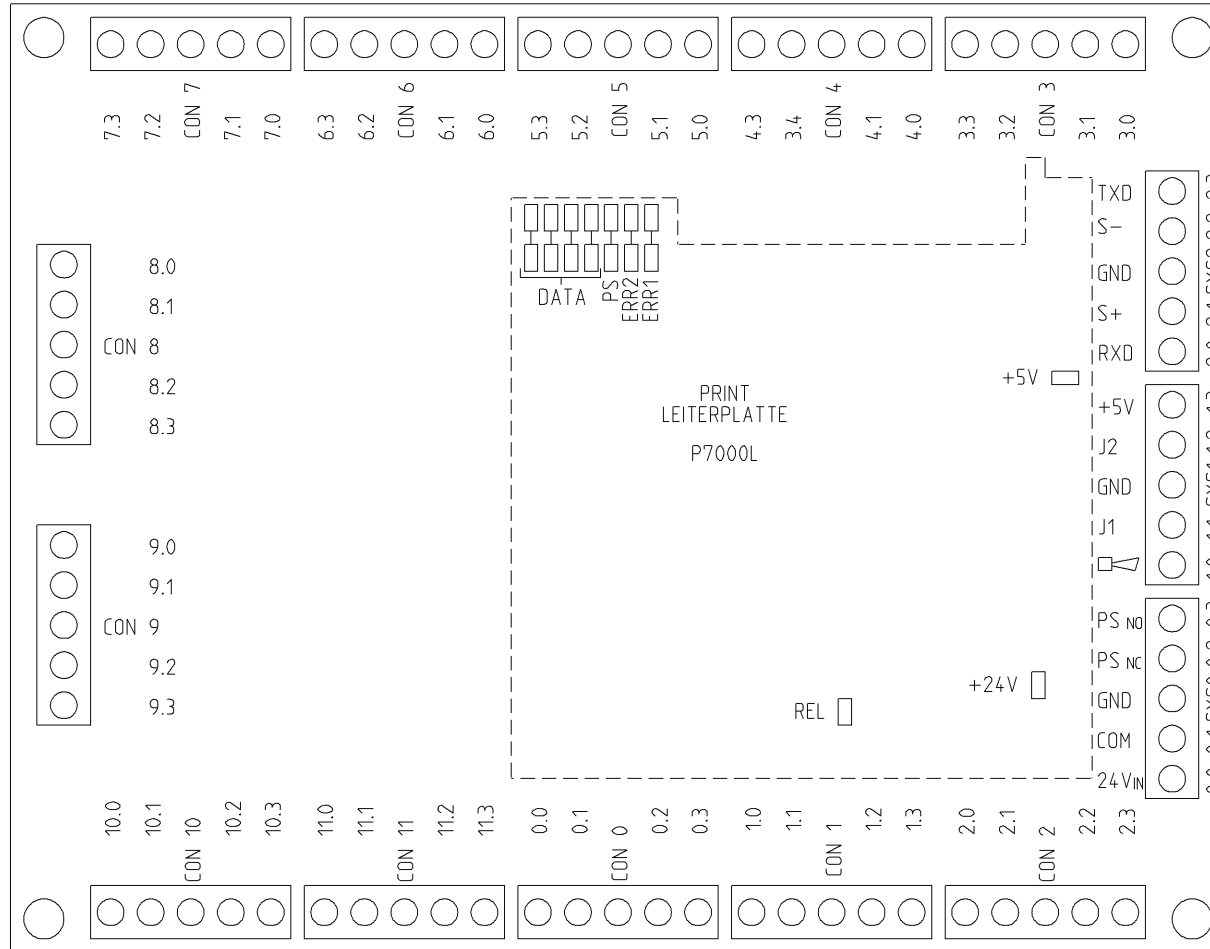
Datum: 19.10.2017

Anlage:

Ort:

Blatt: 38

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:
EM-21-002

Zeichnungsnummer:

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Datum:
19.10.2017

Anlage:

Ort:

Blatt:
39

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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 (S12A3)	4x Stuetzen ein (S12A1)	4x Jacks in (S12A1)
3.3	4x uit Au. Niv. (S12A2)	4x aus Au. Niv. (S12A2)	4x out Au. Niv.(S12A2)
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 rt (V2H)	Inclination rd (V2H)
5.0	Vetpomp Opt. (V7H)	Fett Pumpe Opt. (V7H)	Grease Pu. Opt. (V7H)
5.1	Overload (V1H)	Ueberspannung (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
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Datum:	19.10.2017	Antage:	Ort:	Rothenbusch
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