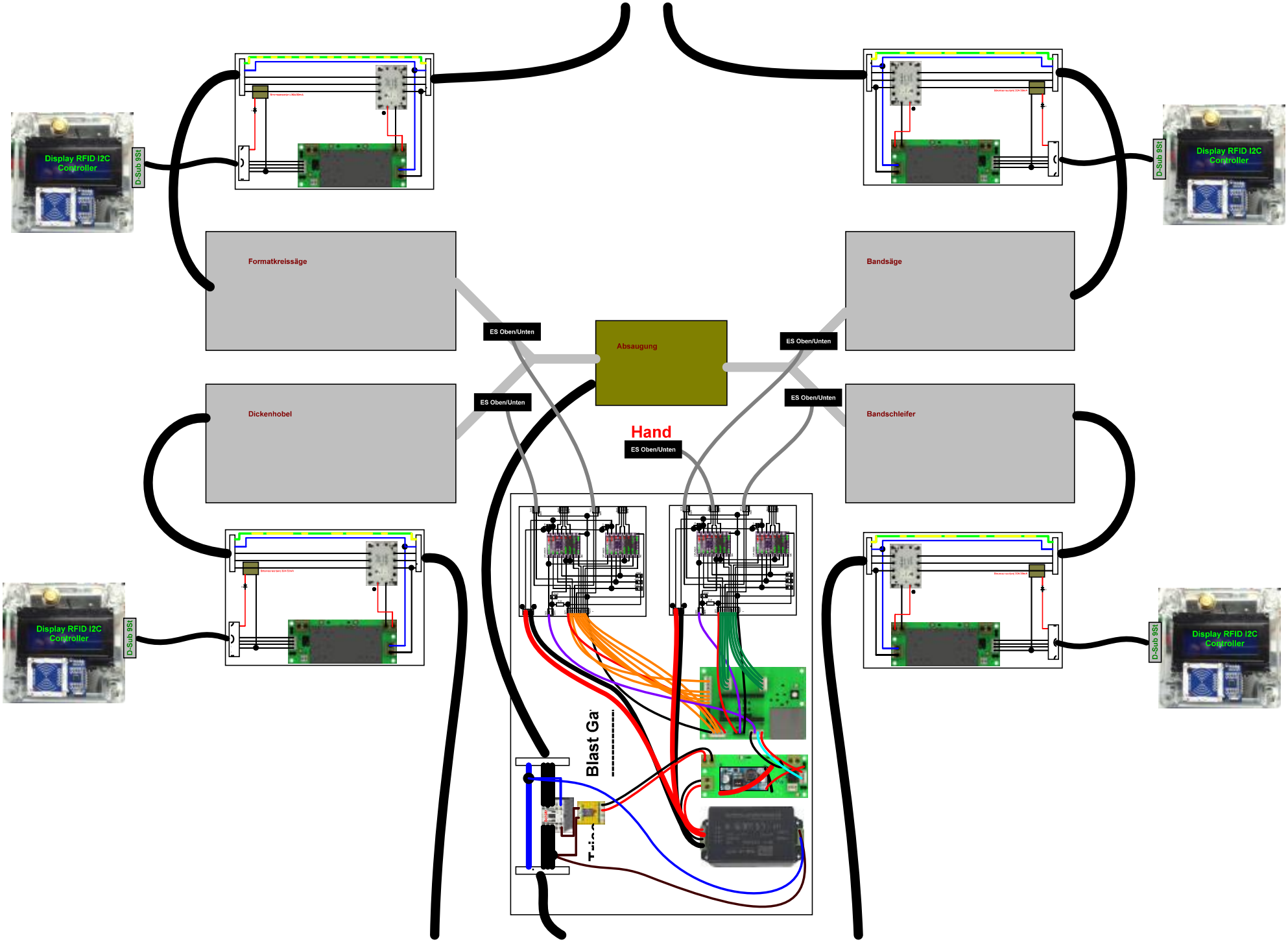
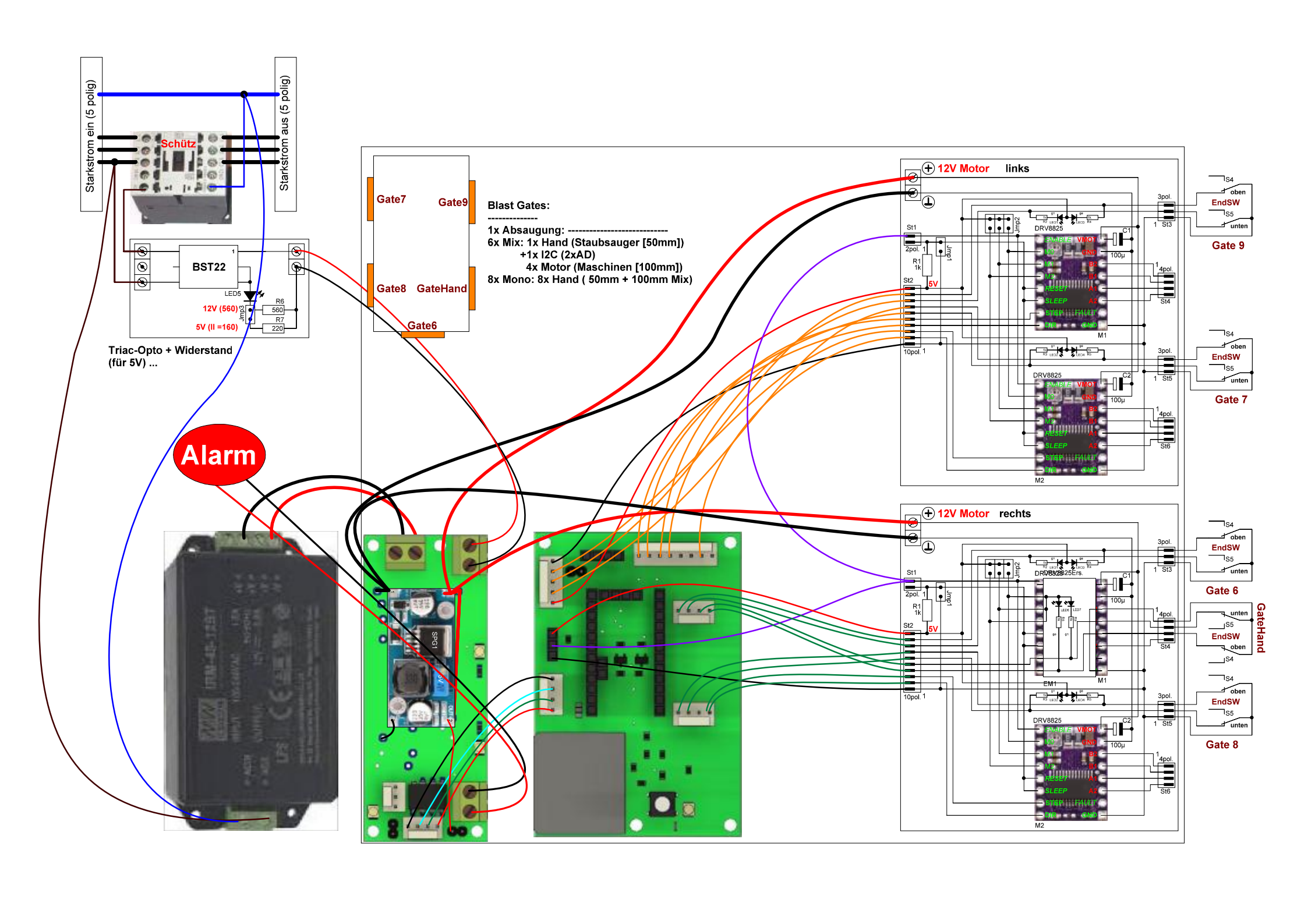
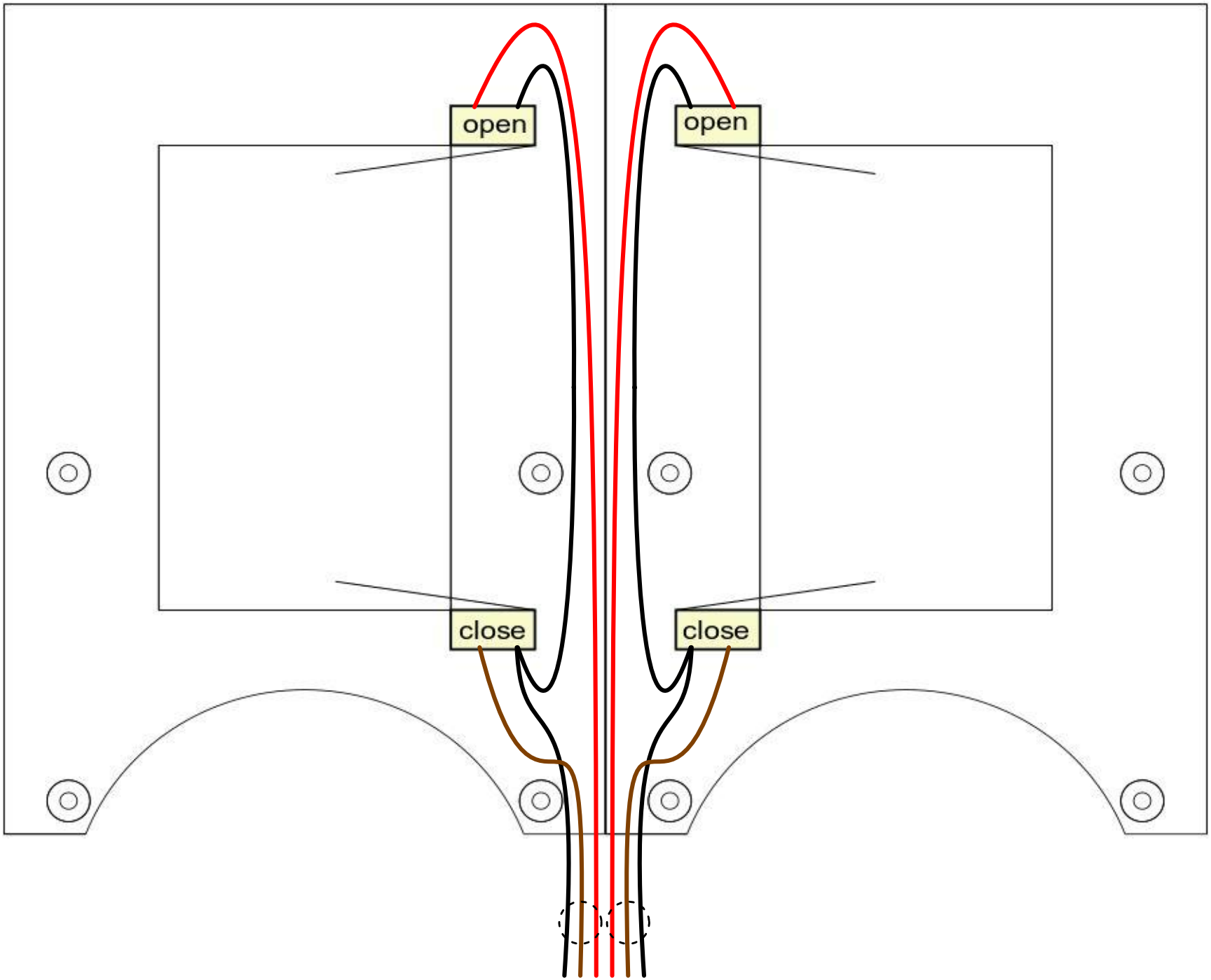
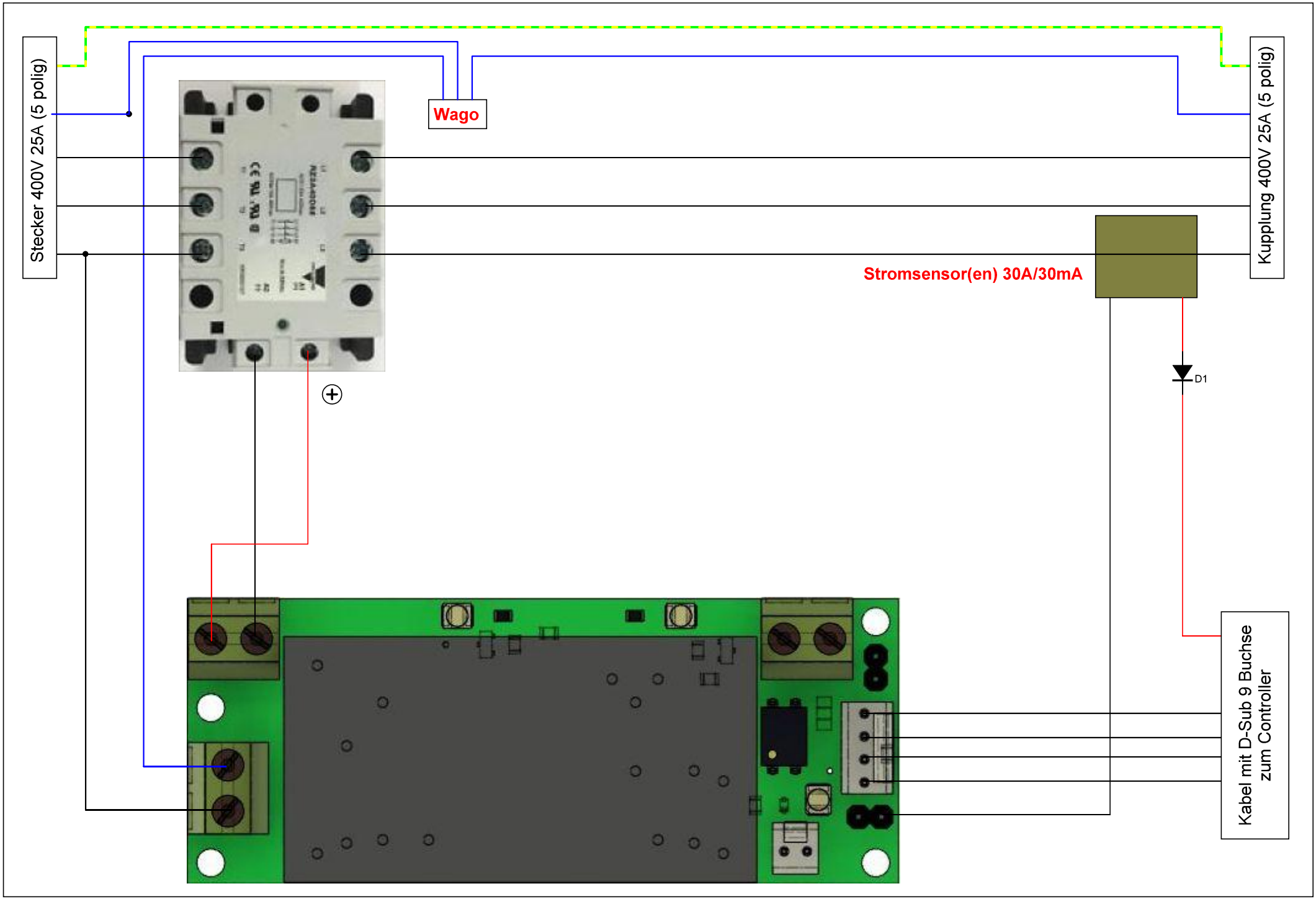
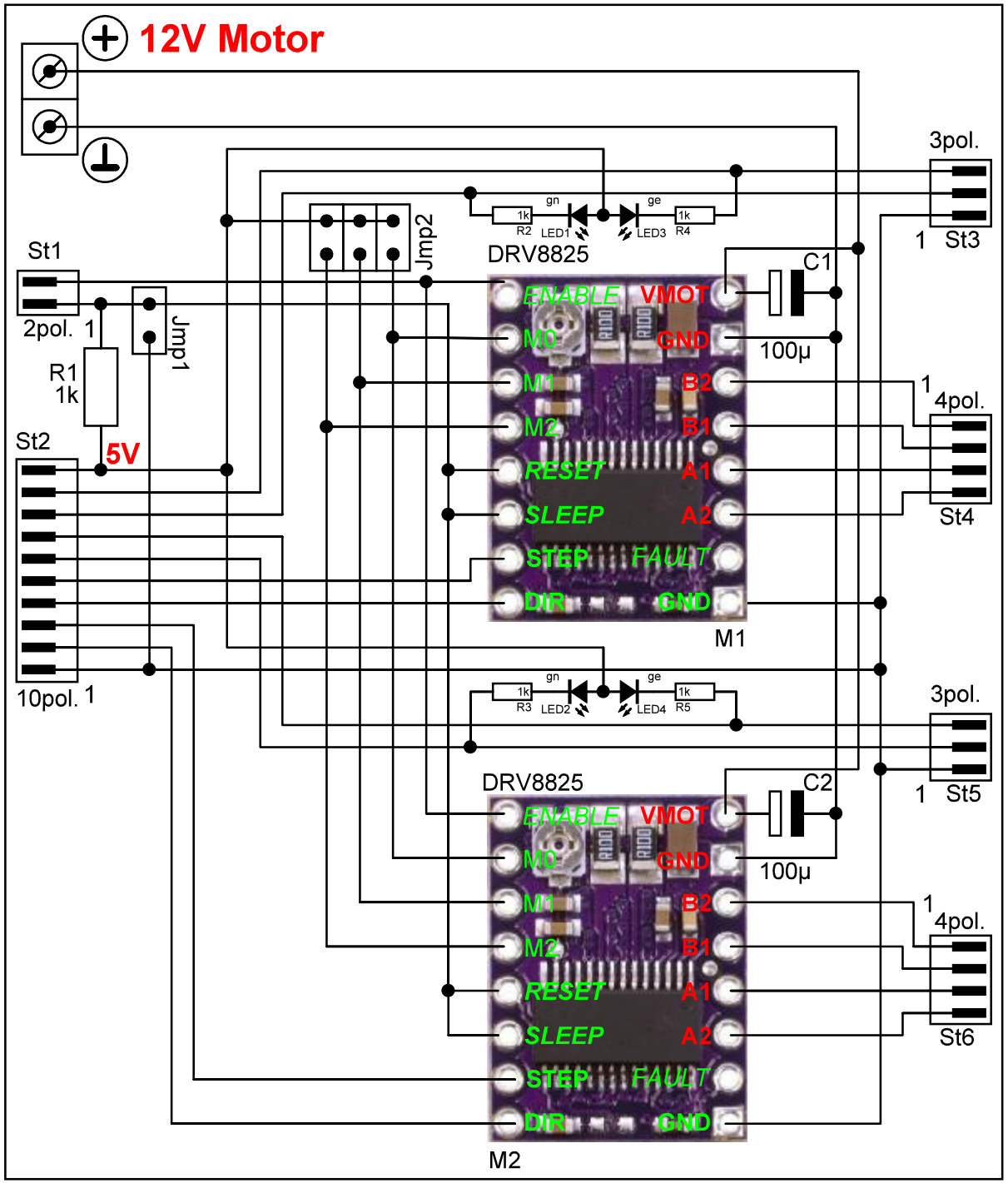

Display RFID I2C Controller
D-Sub 9St
Formatkreissäge
Bandsäge
ES Oben/Unten
Absaugung
Dickenhobel
Bandschleifer
Hand
Blast Ga

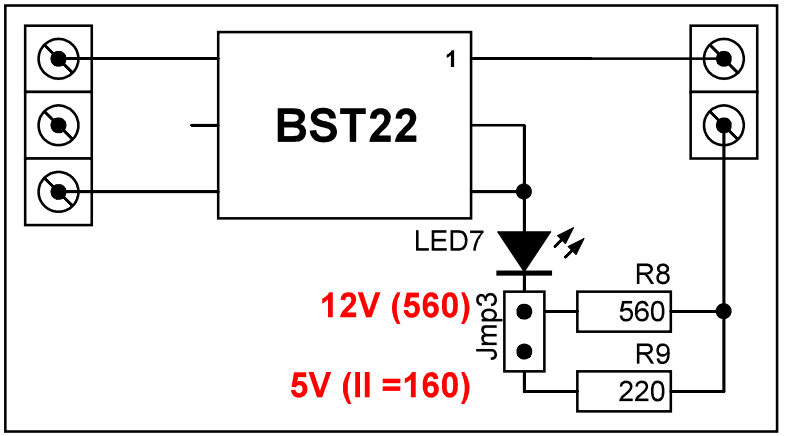

Starkstrom ein (5 polig)
Starkstrom aus (5 polig)
Schütz
BST22
LED5
12V (560)
5V (II =160)
Jmp3
R6
560
R7
220
Triac-Opto + Widerstand
(für 5V) ...
Gate7
Gate9
Gate8
GateHand
Gate6
Blast Gates:
1x Absaugung: ----------
6x Mix: 1x Hand (Staubsauger [50mm])
+1x I2C (2xAD)
4x Motor (Maschinen [100mm])
8x Mono: 8x Hand (50mm + 100mm Mix)
Alarm
12V Motor links
12V Motor rechts
DRV8825
St1
St2
5V
R1
1k
Jmp1
Jmp2
C1
C2
100µ
M1
M2
EM1
3pol.
4pol.
10pol. 1
S4
oben
EndSW
S5
unten
Gate 9
Gate 7
Gate 6
Gate 8
GateHand

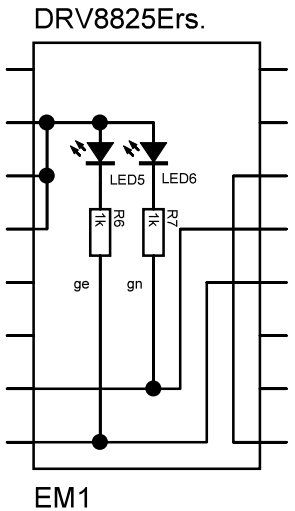
Einmal rechts, einmal links und Hand die Häfte.



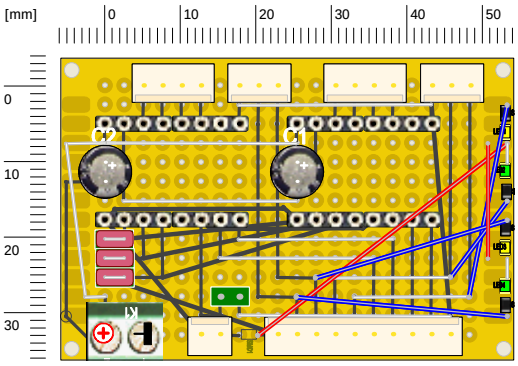

Stecker 400V 25A (5 polig)
Wago
Kupplung 400V 25A (5 polig)
Stromsensor(en) 30A/30mA
D1
Kabel mit D-Sub 9 Buchse
zum Controller

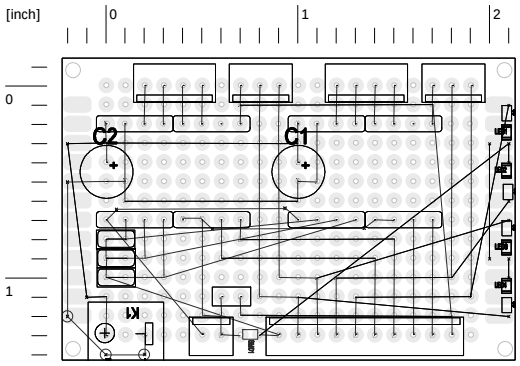

12V Motor
3pol.
St3
1
St1
2pol.
Jmp2
gn
ge
1k
R2
LED1
LED3
R4
DRV8825
C1
100µ
Jmp1
R1
1k
5V
ENABLE
VMOT
M0
GND
M1
B2
M2
B1
RESET
A1
SLEEP
A2
STEP
FAULT
DIR
GND
4pol.
St4
St2
10pol.
R3
LED2
LED4
R5
C2
St5
St6
M2

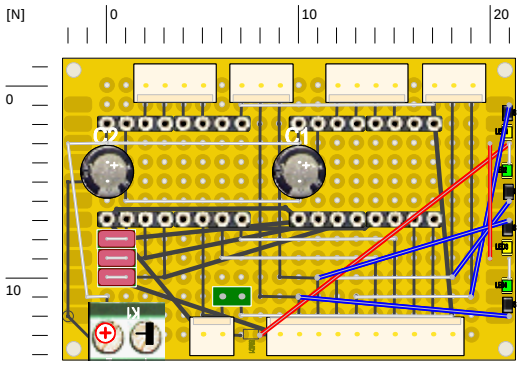

BST22
1
LED7
R8
12V (560)
Jmp3
560
R9
5V (II =160)
220

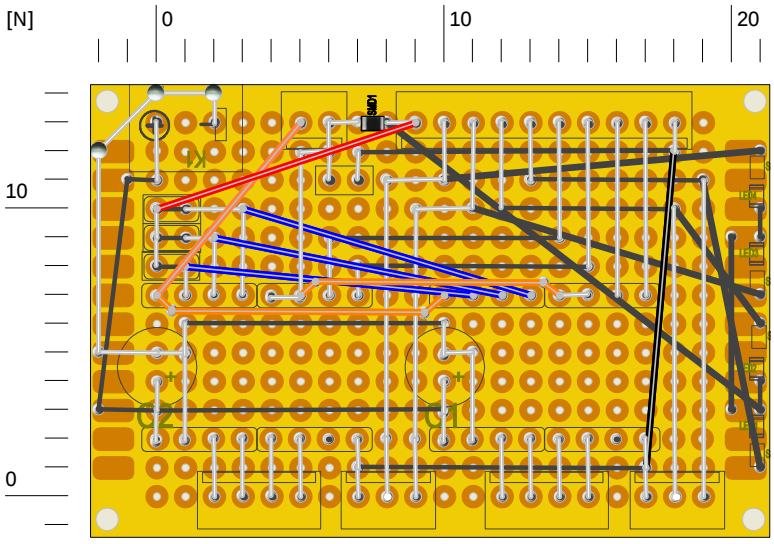

DRV8825Ers.
LED5
LED6
R6
R7
1k
ge
gn
EM1

(GateSpez)

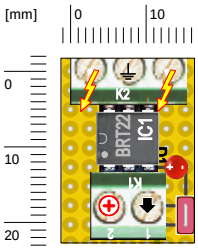


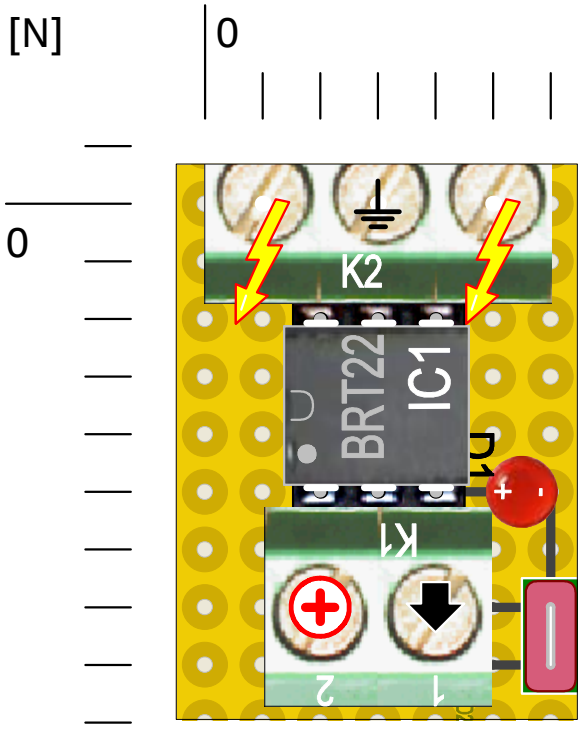


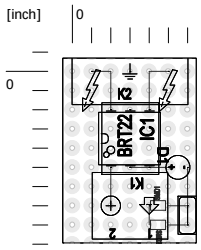


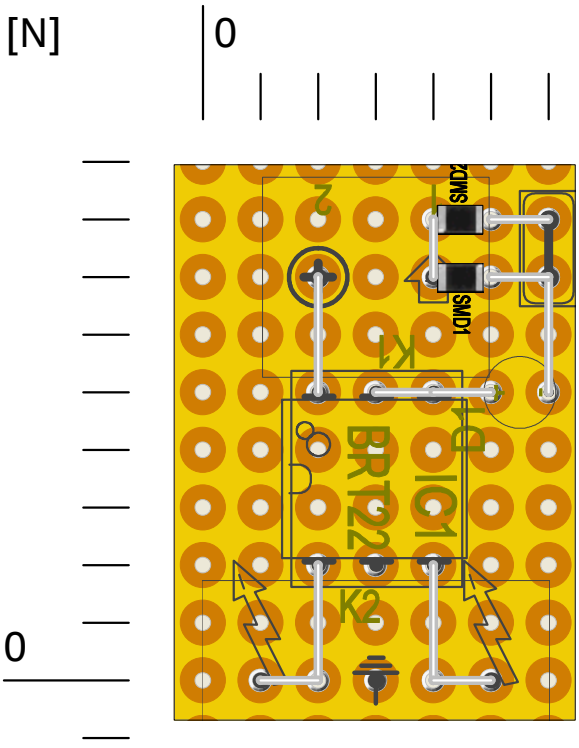


Projekt: maschinen_ssr_schütz [Schieber2xBee]	12.10.2019
Abmessungen: 60,00 x 40,00 mm	23:50:50
	Blatt 1 / 1



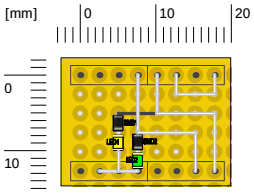


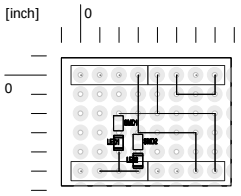


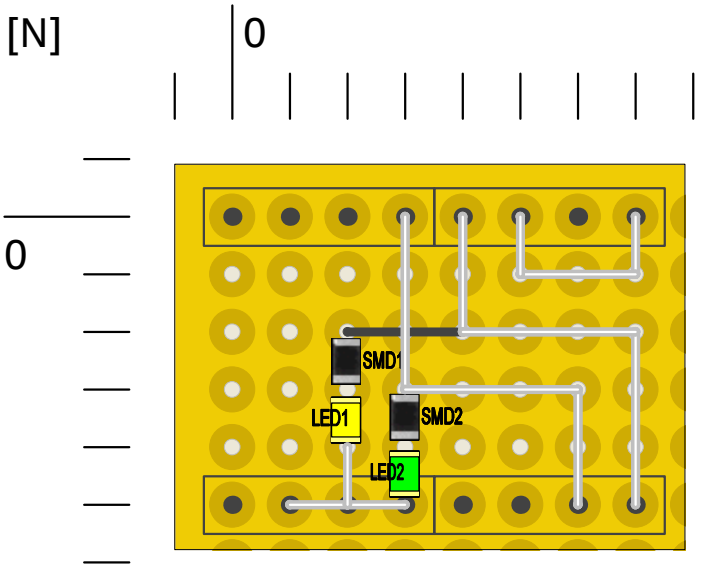


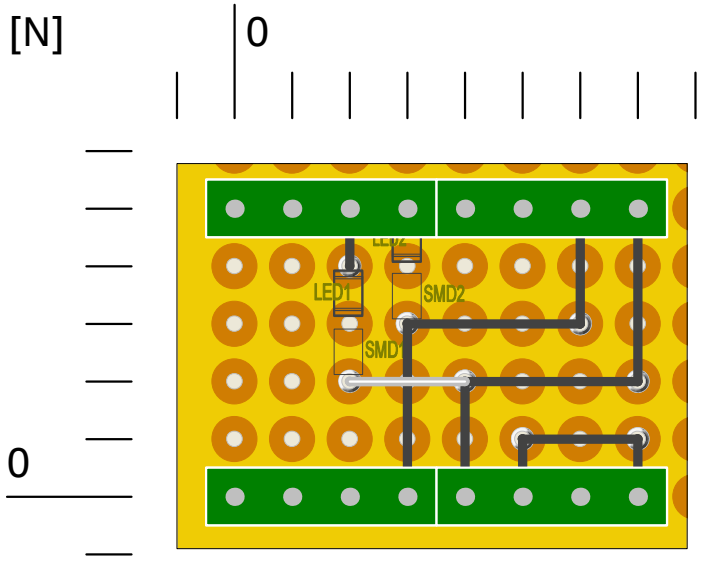
Projekt: maschinen_ssr_schütz [AC_SwitchNpktE1]
Abmessungen: 17,70 x 24,50 mm

12.10.2019
23:51:04
Blatt 1 / 1









Projekt: maschinen_ssr_schütz [ErsatzMV LEDS]
Abmessungen: 22,50 x 17,00 mm

12.10.2019
23:51:20
Blatt 1 / 1

Benennung	K2 4polig	Strommessung		D-Sub	D-Sub Buchse Kabel	
				1	bn	sw
5V	4	Buchse / Stecker	rot	2	rt	bn
				3	or	rt
A3	3		orange	4	ge	or
A2	2		braun	5	gn	ge
Strom +		rt		6	bl	gn
			rot	7	li	rs
GND	1	sw	schwarz	8	gr	li
			sw	9	sw	ws

Buchse / Stecker

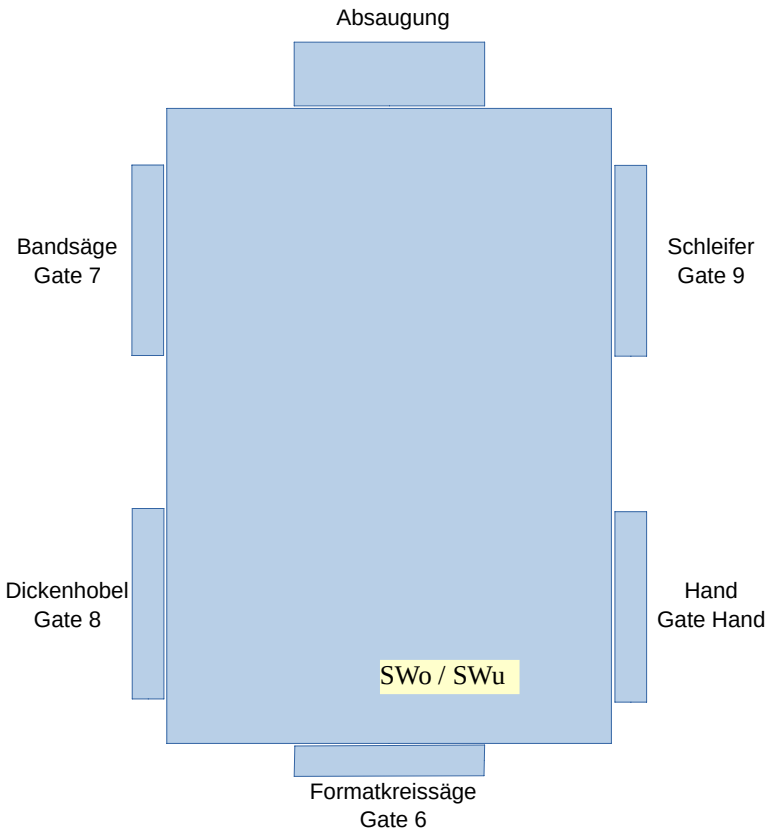
Benennung	K1 5polig	K3 8polig	(Farbe)	D-Sub
5V	5		rot	1
SCL	4		orange	2
SDA	3		gelb	3
SCK		7	blau	4
MISO		5	gelb	5
MOSI		6	grün	6
SDA		8	violet	7
RST		2	braun	8
GND	1		schwarz	9

PinNr.	Netzteil		Pin Out	Controller	Ardu Pin	Pin In	SM-Platine Li	Pin Out		Pin In	SM-Platine Re	Pin Out	PinNr.	EndPos
K1P1	*L*	~220V;12V												
K1P2	*N*	~220V;12V												
K2P1	*SSR1*	24V 4A												
K2P2	**Vcc**	**5V – (24V)**												
K3P1	*SSR2*	24V 4A												
K3P2	**Vcc**	**5V – (24V)**												
			K1P1	*Digital (INT)*	2					St2P7	Gate 8 open	*St5P3*	*St5P3*	
			K1P2	*Digital*	5					St2P6	Gate 8 closed	*St5P2*	*St5P2*	
			K1P3	*Digital*	7					St2P3	Step	*Gate 8 SM St6*	~~*St6P1-4*~~	~~*B1;B2;A1;A2*~~
			K1P4	*Digital*	9					St2P2	Dir	*Gate 8 SM St6*		
K5P1	**GND**	**GND**	**K2P1**	**GND**									*St3&4&5P1*	**GND**
K5P2	*SSR1*		*K2P2*	*OptSSR (AD2)*	A2									
K5P3	*SSR2*		*K2P3*	*Alarm (AD3)*	A3									
K5P4	**Vcc**	**5V (DC/DC)**	**K2P4**	**Vcc**										
			K4P1	**GND**						St2P1	**GND**			
			K4P2	*Digital*	6	St1P2	*Enable SM*			St1P2	*Enable SM*			
			K4P3	**Vcc**						St2P10	**VCC**			
			K5P1	*Analog*	A0					St2P9	*Gate 6 open*	*St3P3*	St3P3	
			K5P2	*Analog*	A1					St2P8	Gate 6 closed	St3P2	St3P2	
			K5P3	*Analog*	**A6**					St2P5	Step	Gate 6 SM St4	St4P2	Gate H closed
			K5P4	*Analog*	**A7**					St2P4	*Dir*	*Gate 6 SM St4*	St4P3	Gate H open
			K7P1	**GND**		St2P1	***GND***						St3&5P1	**GND**
			K7P2	*Digital (INT)*	3	St2P3	*Step*	*Gate 7 SM St6*					~~*St6P1-4*~~	~~*B1;B2;A1;A2*~~
			K7P3	*SDA (AD4)*	A4	St2P9	*Gate 9 open*	St3P3					St3P3	
			K7P4	*SCL (AD5)*	A5	St2P7	*Gate 7 open*	St5P3					St5P3	
			K7P5	**Vcc**		**St2P10**	**Vcc**							
			K9P1	**Vcc**										
			K9P2	*Digital*	4	St2P2	*Dir*	*Gate 7 SM St6*					~~*St6P1-4*~~	~~*B1;B2;A1;A2*~~
			K9P3	**GND**										
			K9P4	-	-									
			K9P5	*Digital*	12	St2P8	*Gate 9 closed*	St3P2					St3P2	
			K9P6	*Digital*	11	St2P5	*Step*	*Gate 9 SM St4*					~~*St4P1-4*~~	~~*B1;B2;A1;A2*~~
			K9P7	*Digital*	13	St2P4	*Dir*	*Gate 9 SM St4*						
			K9P8	*Digital*	10	St2P6	*Gate 7 closed*	St5P2					St5P2	

Schrittmotor Ansteuerung rechts

Schrittmotor Ansteuerung links

Nur Analoge Eingänge



Blast Gate Hand alles manuell

Mini						
6	Li / St1	2	Enable			
		1	GND		1 GND	**Gate 9**
12		8	←	Li / St3	2 EndPos	closed
A4		9	←		3 EndPos	open
		10	5V			
					1 ~~B2~~	
					2 ~~B1~~	
11		5	Step	Li / St4	3 ~~A1~~	
13		4	Dir		4 ~~A2~~	
	Li / St2					
					1 GND	**Gate 7**
10		6	←	Li / St5	2 EndPos	closed
A5		7	←		3 EndPos	open
					1 ~~B2~~	
					2 ~~B1~~	
3		3	Step	Li / St6	3 ~~A1~~	
4		2	Dir		4 ~~A2~~	
6	Re / St1	2	Enable			
		1	GND		1 GND	**Gate 9**
A1		8	←	Re / St3	2 EndPos	closed
A0		9	←		3 EndPos	open
		10	5V			
					1 B2	GND
					2 B1	closed
A6		5	Step	Re / St4	3 A2	open
A7		4	Dir		4 ~~A1~~	**Gate H**
	Re / St2					
					1 GND	**Gate 8**
5		6	←	Re / St5	2 EndPos	closed
2		7	←		3 EndPos	open
					1 ~~B2~~	
					2 ~~B1~~	
7		3	Step	Re / St6	3 ~~A2~~	
9		2	Dir		4 ~~A1~~	

Blast Gate Schrittmotor automatisch + Hand

Mini						
6	Li / St1	2	Enable			
		1	GND		1 GND	Gate 9
12		8	←	Li / St3	2 EndPos	closed open
A4		9			3	I2C SDA
		10	5V			
					1 B2	M2
					2 B1	
11		5	Step	Li / St4	3 A1	M1
13		4	Dir		4 A2	
	Li / St2					
					1 GND	Gate 7
10		6	←	Li / St5	2 EndPos	closed open
A5		7			3	I2C SLC
					1 B2	M2
					2 B1	
3		3	Step	Li / St6	3 A1	M1
4		2	Dir		4 A2	
6	Re / St1	2	Enable			
		1	GND		1 GND	Gate 9
A1		8	←	Re / St3	2 EndPos	closed open
A6		9			3	Gate H closed
		10	5V			
					1 B2	M2
					2 B1	
2		5	Step	Re / St4	3 A2	M1
A0		4	Dir		4 A1	
	Re / St2					
					1 GND	Gate 8
5		6	←	Re / St5	2 EndPos	closed open
A7		7			3	Gate H open
					1 B2	M2
					2 B1	
7		3	Step	Re / St6	3 A2	M1
9		2	Dir		4 A1	

EndPos. = Endstellung unten oder oben (bei Schrittmotor mit Drehrichtung)