



A
B
C
D

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B
C
D

Title		Standard potentiometer or throttle + brake switch	
Size	Number	Revision	
A3	HL100100 v1.5	Rev1	
Date:	2022.03.24.	Sheet of	
File:	E:\Projekte\k\Wir1.SchDoc	Drawn By:	

Speed potentiometer or throttle
1-10kOhm or 0-5V hall throttle

Brake switch

Mode Switch
ON 1 2 3 4 5
K4

P1 Current
P2 Accel
P3 Regen
P4 Top

DC Motor

DC supply

FUSE

Precharge resistor*
Recommended over 24V
4700ohm 5W with 48V supply
6800ohm 5W with 72V supply

Main contactor

Precharge relay

Battery+

TX
RX
+5V
Speed
Sheet GND

Brake P/W in

24-pin header: GND, SP, TX, RX, +5V, Speed, Sheet GND

Motor+

Motor-

Battery-