## Speedcontroller 4.7 (3-channel)

## for robots in 6kg/13.6kg (Raptors/Featherweights)

Fuse (0.5A) for electronic

Fuse (40A) for motor-outputs

Fuse (40A) for weapon-outputs

Controll-LED:

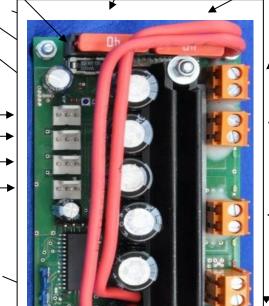
Controll-LED: 5V

## Inputsor receiver-signals:

- 1: motor right or controll for crossmixing
- 2: motor left or speed for crossmixing
- 3: trigger weapon-channel
- 4: separate input for gyroscope, changing direction, trigger external LED....

Switch to change between default (tank-control) or userdefined parameters (i.e. crossmixed-control, motor characteristics, timelimits of the weapon;...)

Two **connectors** for **limit switches** of the weapon motor des Waffenmotors. (stops the weapon motor when endposition is reached)



Connector for accu (typ. 12V; range: 8V – 26V)

**Motor right:** H-bridge for variable speed; tank-controlled or crossmixed

**Motor left:** H-bridge for variable speed; tank-controlled or crossmixed

Output weapons: switchable or variable Hbridge (motor for axts, lifters, hammers,...) two valves or relays for pneumatic: lifter or flipupsystems

Connector to **USBinterface**; setting the parameters via PC

Connector for external LED or relay: displays undervoltage of the accu or controlled by input 4

## **Technical data:**

(prior is the datasheet of the BTN8982B)

Supply voltage typical: 12V DC

Range for supply voltage: 8V to 26V DC (LiPo 6S)

BEC 5V: yes; max. 400mA (fuse 500mA)

Maximal Current each channel: max. 55A

Recommended fuse: 2 x 40A (fuses of vehicels)

Tested maximal fuses: 2 x 40A (FKS1) Ampacity power connectors: official 32A

Max. wire for connectors.: 4 qmm (with wire termination)

Current idle: max. 100mA (no receiver connected)

dimensions [mm]: 99 x 59 x 32 (actually)

weight[gr]: ca. 120gr

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