FSESC 75200 AL Manual

Specs:

- Firmware: 5.2, supports firmware upgrade
- Voltage: 14-84V (safe for 4-20S)
- Continuous current: 50V/200A; 75V/150A (Values depend on the mounting, ambient temperature and air/water circulation around the device!); Burst: 300A
- BEC: 5V@1A
- Support Modes: DC, BLDC, FOC (sinusoidal)
- ERPM: 150000
- Communication Ports: USB, CAN, UART, SPI, IIC
- Supported Sensors: ABI, HALL, AS5047, AS5048A
- Input Source Support: PPM, ADC, NRF, UART
- Supported Sensorless: Yes
- Regenerative capacity: Yes
- Programmable via VESC_TOOL: Yes
- Size:130x67.7x40.1mm(Including alu. case)
- Motor/power wire size: 8 AWG

Feature:

- Adjustable protection against: low voltage protection, high voltage protection, over current protection, temperature abnormal protection, mosfets / motor over temperature protection.
- Support various control modes: Current / Duty cycle / Speed / PID control modes.
- Support the function of balancing car by connecting the IMU module through the IIC interface; support inertial measurement unit modules such as MPU9250, MPU9150, MPU6050, LSM6DS3, BMI160.
- CPU:STM32F405 with frequency 168MHz
- Aluminum PCB with good heat dissipation to expand life span.
- Two COMM ports: UART bluetooth module, screen display or remote controller supportable.

Wiring diagram:

1. USB   2.PPM   3. CAN   4.UART2
5.SWD   6.COMM   7.HALL

Please press here to unplug the connectors. Do not pull directly to avoid wires& connectors broken.