

## EBswitch

- **Operating Voltage:** 8-32V for 12V and 24V Systems
- **Total Current:** 70 A maximum continuous
- **Dimensions:** 245 mm (L) x 140 mm (W) x 50 mm (H)
- **Mass:** 0.9 kg (2.0 lb)
- **Operating Temperature:** -40°F to 185°F (-40°C to 85°C)
- **Storage Temperature:** -40°F to 275°F (-40°C to 135°C)
- **Electrical and EMI/EMC:**
  - 2004/108/EC and 2006/95/EC directives
  - IEC 61000-4-3, -4-6 and -4-8
  - EN 60945 / CISPR 11
  - EN 61326-1
- **Shock:** 30G, 3 cycles
- **Vibration:** 5-25g, 50-2,000Hz, 72 hrs per axis
- **Sealing:**
  - IP66 and 67
  - SAE J1455 4.5.3 (10,300 kPa @ 50°C and 100 mm away for 15 min)
- **12 Outputs:**
  - (6) 15 A max per channel, 500 Hz
  - (6) 15 A max, 1 kHz
  - Channel overload set in 2.5 A increments
  - High-side, open-loop PWM and directional DC motor control (H-bridge) modes
  - Off-state leakage current <0.1 mA
- **20 Inputs:**
  - 12 digital, tri-state, input impedance 7.7 kΩ
  - 6 analog, 0-5 V, input impedance 100 kΩ pull-down
  - 2 analog, resistive, input impedance 2.2 kΩ pull-up
  - 10 bit resolution on all analog inputs
- **Sensor Supply:** 5V @ 70 mA
- **Communications:** 1 CAN 2.0B, 250 kbps, J1939 proprietary messaging
- **Mating Connectors:**
  - Deutsch DTHD, DT, and DTP Series
    - J1, J2 – DTHD06-1-4S
    - J3 – DT06-12SA (Gray)
    - J4 – DT06-12SB (Black)
    - J5 – DT06-12SC (Green)
    - J6 – DTP06-2S
- **Certifications:** CE mark